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SPECIATE 4.2
SPECIATION DATABASE DEVELOPMENT DOCUMENTATION

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ABSTRACT

SPECIATE is the U.S. Environmental Protection Agency's (EPA) repository of volatile organic gas and particulate matter (PM) speciation profiles of air pollution sources. Among the many uses of speciation data, these source profiles can be used to: (1) create speciated emissions inventories for regional haze, PM, greenhouse gas (GHG), and photochemical air quality modeling; (2) estimate hazardous and toxic air pollutant emissions from PM and organic gas primary emissions; (3) provide input to chemical mass balance (CMB) receptor model; and, (4) verify profiles derived from ambient measurements by multivariate receptor models (e.g., factor analysis and positive matrix factorization).

This report documents how EPA developed the SPECIATE 4.2 database that updates the prior version of the SPECIATE 4.0 database. (There was an interim database, SPECIATE 4.1, which incorporated data from Environment Canada to the SPECIATE 4.0 database.) In total, there were 408 volatile organic compound (VOC) profiles and 462 PM profiles appended to the SPECIATE 4.2 database. There was a change to the structure of the SPECIATE 4.2 database with the addition of the new category called Other Gases. This category contains speciated mercury, nitrogen oxides, and semivolatile organic compounds (SVOC) which do not fall into VOC and PM profiles categories. There were 237 Other Gases profiles incorporated into this version of the database. The SPECIATE 4.2 database includes a total of 5,187 PM, VOC, total organic gases (TOG), and Other Gases profiles. In addition, the report documents revisions to auxiliary data tables including the VOC-to-TOG conversion table and the source classification code (SCC)-to-SPECIATE profile cross-reference table. The SPECIATE 4.2 database also contains a new table titled "SVOC Splitting Factors" which provides suggested SVOC partitioning factors in PM and gaseous phases based on a Schauer et al. study (Schauer et al, 1999). Note that the partitioning factor of each SVOC species is not universal. It depends on sampling conditions (e.g., temperature and pressure).

SPECIATE 4.2 was developed by Pechan through a collaboration involving EPA's Office of Research and Development (ORD) and Office of Air Quality Planning and Standards (OAQPS) at Research Triangle Park, NC, and Office of Transportation and Air Quality (OTAQ) at Ann Arbor, MI. This report first discusses the uses and structure of the SPECIATE 4.2 database in Sections I and II, respectively. Section III identifies the data sources and discusses the methods used to develop the new profiles not previously included in SPECIATE. Section IV provides important notes and comments on the use of the profiles, Section V briefly discusses source profile preparation methods, and Section VI provides the references for this report.

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ACRONYMS AND ABBREVIATIONS

ACS	American Chemical Society
APPCD	Air Pollution Prevention and Control Division
CARB	California Air Resources Board
CAS	Chemical Abstracts Service
CHIEF	Clearinghouse for Inventories & Emissions Factors
CMAQ	EPA Models-3 Community Multiscale Air Quality Modeling System
CMB	chemical mass balance
CRC	Coordinating Research Council
CRPAQS	California Regional Particulate Air Quality Study
DOE	Department of Energy
DRI	Desert Research Institute
EC	elemental carbon
ERMD	Emissions Research and Measurement Division (Environment Canada)
EPA	Environmental Protection Agency
ES&T	Environmental Science and Technology
FID	flame ionization detector
GC	gas chromatography
GHG	greenhouse gas
HAP	hazardous air pollutant
HPLC	high performance liquid chromatography
ID	identification
ITN	internal tracking number
kg	kilogram
km	kilometer
mg	milligram
MS	mass spectrometer
MTBE	methyl t-butyl ether
MW	molecular weight
NEI	National Emissions Inventory
NMOG	nonmethane organic gas
NPRI	National Pollutant Release Inventory (Environment Canada)
NREL	National Renewable Energy Laboratory
OAQPS	Office of Air Quality Planning and Standards, EPA
OC	organic carbon
ORD	Office of Research and Development, EPA
PAHs	polycyclic aromatic hydrocarbons
PAMS	photochemical assessment monitoring station
PM	particulate matter
PM_{10}	particulate matter with an aerodynamic diameter less than 10 micrometers
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than 2.5 micrometers
QA	quality assurance
QC	quality control
RFG	reformulated gasoline
SAROAD	Storage and Retrieval of Aerometric Data

SCC	Source Classification Code
SMOKE	Sparse Matrix Operator Kernel Emissions
SRS	Substance Registry System
SVOC	semivolatile organic compounds
TAME	t-amylmethyl ether
TAP	toxic air pollutant
TC	total carbon
TCEQ	Texas Commission on Environmental Quality
THC	total hydrocarbon
TOC	total gas-phase organic compounds
TOG	total organic gases
TOR	thermal optical reflectance
TOT	thermal optical transmission
UV	ultraviolet-visible
VOC	volatile organic compounds

CHAPTER I. INTRODUCTION

SPECIATE is the U.S. EPA repository of volatile organic gas and PM speciation profiles of air pollution sources. Among the many uses of speciation data, these source profiles may be used to: (1) create speciated emissions inventories for regional haze, PM, GHG, and photochemical air quality modeling; (2) estimate hazardous air pollutant (HAP) and toxic air pollutant (TAP) emissions from PM and organic gas primary emissions; (3) provide input to CMB receptor model; and, (4) verify profiles derived from ambient measurements by multivariate receptor models (e.g., factor analysis and positive matrix factorization).

The SPECIATE 3.2 database which was released in 2002 contains profiles that are the result of testing and/or studies that were conducted in the 1980s, and in some cases, the 1970s. However, there are numerous sources of speciation data for PM, VOC, and TOG (which include non-VOCs) available from recent research studies and air quality management agency surveys. The EPA has been collecting new speciation data and collaborating with researchers to update the SPECIATE database. As a result, EPA released an updated SPECIATE database version 4.0 in November 2006. Since the release of SPECIATE 4.0, there have been numerous new profiles added to the databases, which are named SPECIATE 4.1 and 4.2. The purpose of this report is to document recent updates made to the latest SPECIATE 4.2 database and to describe additional work that could be performed to further improve the database. Copies of the updated database described in this report can be obtained from the authors or from the EPA Work Assignment Manager, Mr. Lee Beck (Beck.Lee@epamail.epa.gov).

SPECIATE 4.0 included a total of 4,080 PM and organic gas profiles (2,009 new profiles and 2,071 profiles carried forward from SPECIATE 3.2). SPECIATE 4.0 also included 1,360 new PM profiles (of which 95 were simplified profiles and 47 were composite profiles) and 649 organic gas profiles (of which 11 were composite profiles). The interim SPECIATE 4.1 database includes a total of 4,180 PM and organic gas profiles (with 4,080 carried forward from SPECIATE 4.0). The primary update to the interim SPECIATE 4.1 database was the addition of 100 VOC profiles obtained from Environment Canada's National Pollutant Release Inventory (NPRI) database.

This report documents the development of the SPECIATE 4.2 database, which updates the SPECIATE 4.0 database. SPECIATE 4.2 includes a total of 5,187 profiles (with 4,080 carried forward from SPECIATE 4.0). There were 408 VOC profiles (100 of which come from the NPRI) and 462 PM profiles appended to this version of the database. In addition, there was a change to the structure of the database which was the addition of the new category called Other Gases. This category contains speciated mercury, nitrogen oxides, and SVOCs which do not fall into VOC and PM profiles categories. There were 237 Other Gases profiles incorporated into this version of the database.

The SPECIATE user community has a wide range of interests and needs. Receptor modelers use SPECIATE as a source of data for emission source chemical profiles. Photochemical modelers make use of speciation data to properly characterize photochemical reactivity of VOC emissions and the chemical composition of PM emissions. Emission inventory preparers will sometimes turn to SPECIATE to fill data gaps in inventories of TAPs (which include HAPs) and

greenhouse gases (e.g., methane, elemental or black carbon). Also, control strategy analysts have an interest in the chemical make-up of VOC and PM emissions, so that control programs can better target the appropriate sources.

The steering committee for this project is a working group of EPA and E.H. Pechan & Associates, Inc. (Pechan) staff, University researchers, receptor/photochemical/dispersion modelers, emission inventory developers, and government agency staff. Members of the workgroup have contributed and/or gathered data, and have provided recommendations as to which specific speciation profiles should be added to the database.

The primary purpose of this project was to update the SPECIATE databases to capture recent and scientifically-meritorious VOC, TOG, and PM speciation profile data available from EPA, state agencies, peer-reviewed literature and other relevant data sources. Another objective of this project was to modify the structure of the SPECIATE 3.2 database. The revised SPECIATE databases (i.e., versions 4.0 and 4.1) allow for storage of important information underlying each profile (meta data such as sampling and analysis methods, overall subjective profile quality ratings, etc.). In addition, auxiliary data tables were also updated. These include the VOC-to-TOG conversion table and the SCC-to-SPECIATE profile cross-reference table.

To date, the initiative to update SPECIATE has produced:

- 3,326 PM profiles (SPECIATE 4.2 database);
- 1,624 organic gas profiles (SPECIATE 4.2 database);
- 237 Other Gases profiles (SPECIATE 4.2 database);
- A total of 2,207 unique species (SPECIATE 4.2 database);
- Composite profiles for 58 (47 PM and 11 VOC) source categories (SPECIATE 4.2 database);
- An updated SCC-to-SPECIATE profile cross-reference table accounting for over 80% of national VOC and PM emissions in the 2002 National Emissions Inventory (NEI);
- VOC-to-TOG conversion factors for applicable gas profiles;
- A protocol for expansion of the database;
- Suggested partitioning factors for SVOC compounds in gas and PM phases;
- A mapping of the new VOC compounds into model species categories; and
- Review and prioritization of 49 studies entailing 614 PM and 822 VOC profiles for potential inclusion in the future SPECIATE database. The numbers do not include several large databases which need further investigation (e.g., CARB light-duty gasoline exhaust annual surveillance tests which contain many hundreds of TOG profiles).

While the database has been revised and many profiles have been added, the SPECIATE workgroup has identified and prioritized many data sets for which profiles will be developed and added to future versions of the SPECIATE database.

The SPECIATE project is a work-in-progress; comments based on review of the database and documentation are welcome. Comments and questions may be directed to the Work Assignment Manager, Mr. Lee Beck (Beck.Lee@epamail.epa.gov).

This document first discusses the structure and use of the SPECIATE 4.2 database in Section II, and then details the development of the profiles and supporting tables in Section III. Comments on the use of the profiles appear in Section IV; Section V briefly discusses source profile preparation methods. Section VI provides the references for this report. Tables A-1 and A-2 of Appendix A provide a summary of the gas and PM profiles incorporated into the SPECIATE 4.2 database, respectively. Appendix B provides a protocol for preparing profiles for the future SPECIATE databases. Appendix C provides speciation profiles for example mixtures. Appendix D provides information on how Environment Canada's NPRI was used to develop source profiles that were included in the SPECIATE 4.1 and 4.2 databases. Appendix D provides SVOC partitioning factors and methodology applied to prepare mobile source exhaust profiles in the SPECIATE database.

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CHAPTER II. SPECIATE DATABASE

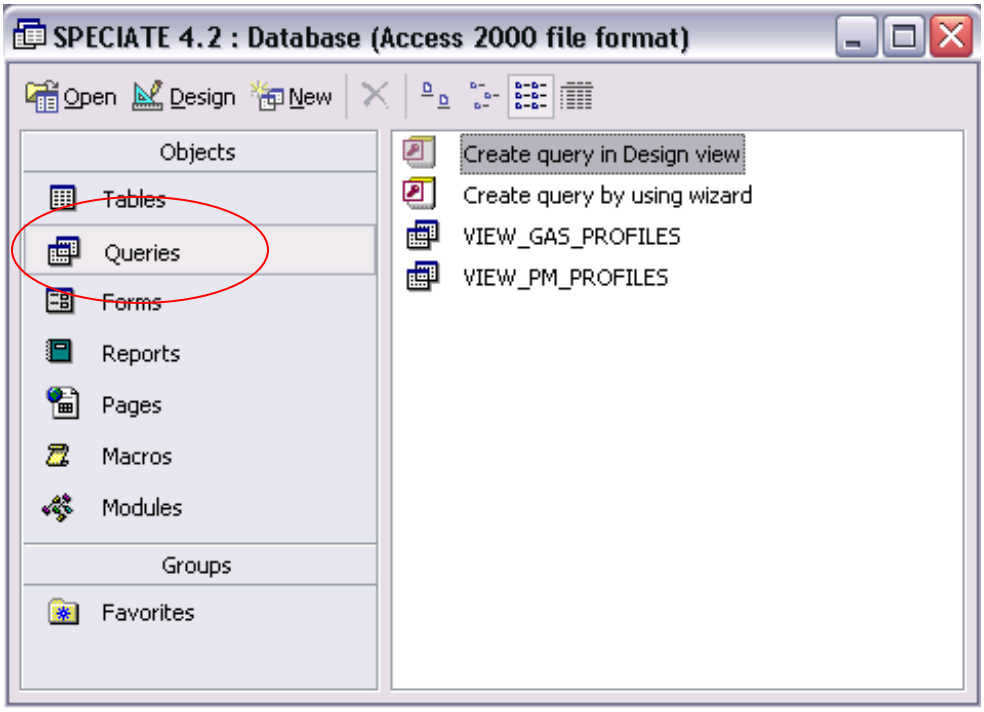
This chapter describes the organization of the SPECIATE 4.2 database. This includes sections on use of the database, the data dictionary, overall subjective profile quality rating criteria, and profile identification (ID) numbers.

A. USE OF THE DATABASE

The SPECIATE 4.2 database is a data repository housed in a Microsoft Access database file. In order to use SPECIATE 4.2 database, Microsoft Access 2002 or above must be installed. Current SPECIATE databases and other relevant documentation can be downloaded from EPA Clearinghouse for Inventories & Emissions Factors website (http://www.epa.gov/ttn/chief/software/speciate/index.html).

There is no user interface for the database at this time, however, the EPA workgroup is in the process of developing a web-based application that will allow users to view and download SPECIATE source profiles. To facilitate inspection of the data by persons without detailed database manipulation skills, the queries VIEW_PM_PROFILES and VIEW_GAS_PROFILES have been added and are available on the Queries tab in MS Access (as shown in Figure 1 below). The VIEW_GAS_PROFILES query links the GAS_PROFILE, GAS_SPECIE, and SPECIE_PROPERTIES tables together to allow the user to view all of the fields in these tables when the query is run. The VIEW_PM_PROFILES query links the PM_PROFILE, PM_SPECIE, and SPECIE_PROPERTIES tables together to allow the user to view all of the fields in these tables when the query is run.

Figure 1. Profile Views Using the Query Interface



B. DATABASE DESIGN

The SPECIATE 4.2 database design appears in Figure 2. The design is intended to accommodate the desired modifications and additions to the SPECIATE functionality. The modifications are based on the suggestions from the October 2002 meeting of the SPECIATE Expert Panel held at the American Association for Aerosol Research conference in Charlotte, NC (http://www.epa.gov/ttn/chief/software/speciate/index.html), as well as additional recommendations provided by EPA.

One of the embraced and adopted design principles was the accommodation of PM profiles expressed over any size range, [i.e., size ranges are not pre-determined (e.g., <1.0, 1-2.5, 2.5-10, 0-30 micrometers)] for PM profile data. This capability is provided through the upper- and lower- size limit fields in the PM_PROFILE table. In instances in which multiple profiles (arising from multiple size distributions) result from a single study, the particle size range will be explicitly designated in the table. The SPECIATE 4.2 database can therefore accommodate species size distributions for any range. Future studies that require more particle size resolution can be accommodated, consistent with the expectations of future research.

Profiles for particulates ("P"), organic gases ("G"), and Other Gases ("Other gases") continue to be housed in separate tables owing to their slight variance in database architecture. Other tables, such as SPECIE_PROPERTIES and KEYWORD are common to organic gases, particulates, and other gases use.

The data dictionary (see Table 1 and subsection C below) is intended to be general and not specific to any particular database architecture. Accordingly, variance from the data dictionary expressions for some fields (e.g., Logical versus Boolean) may occur. Fields such as T_METHOD (sampling method) and ANLYMETHOD (analytical method) contain character expressions representing the respective method employed.

The profile tables include rating fields for profile vintage (V-rating), data quality (D-rating), and expert judgment (J-rating). The Overall Subjective Profile Quality Rating is the product of the V-rating and D-rating [see Section II.E (Profile Rating Criteria) for rationale regarding profile overall ratings].

The use of P_NUMBER as the primary key for the profiles tables has been retained from the previous versions of SPECIATE; however, this practice requires the use of a concatenated logical key composed of the profile type ("P", "G", or "Other gases") and the profile number when accessing common tables such as KEYWORD. A key that is unique to PM_PROFILE, GAS_PROFILE, and Other Gases_PROFILE could be substituted.

Figure 2. SPECIATE 4.2 Data Diagram

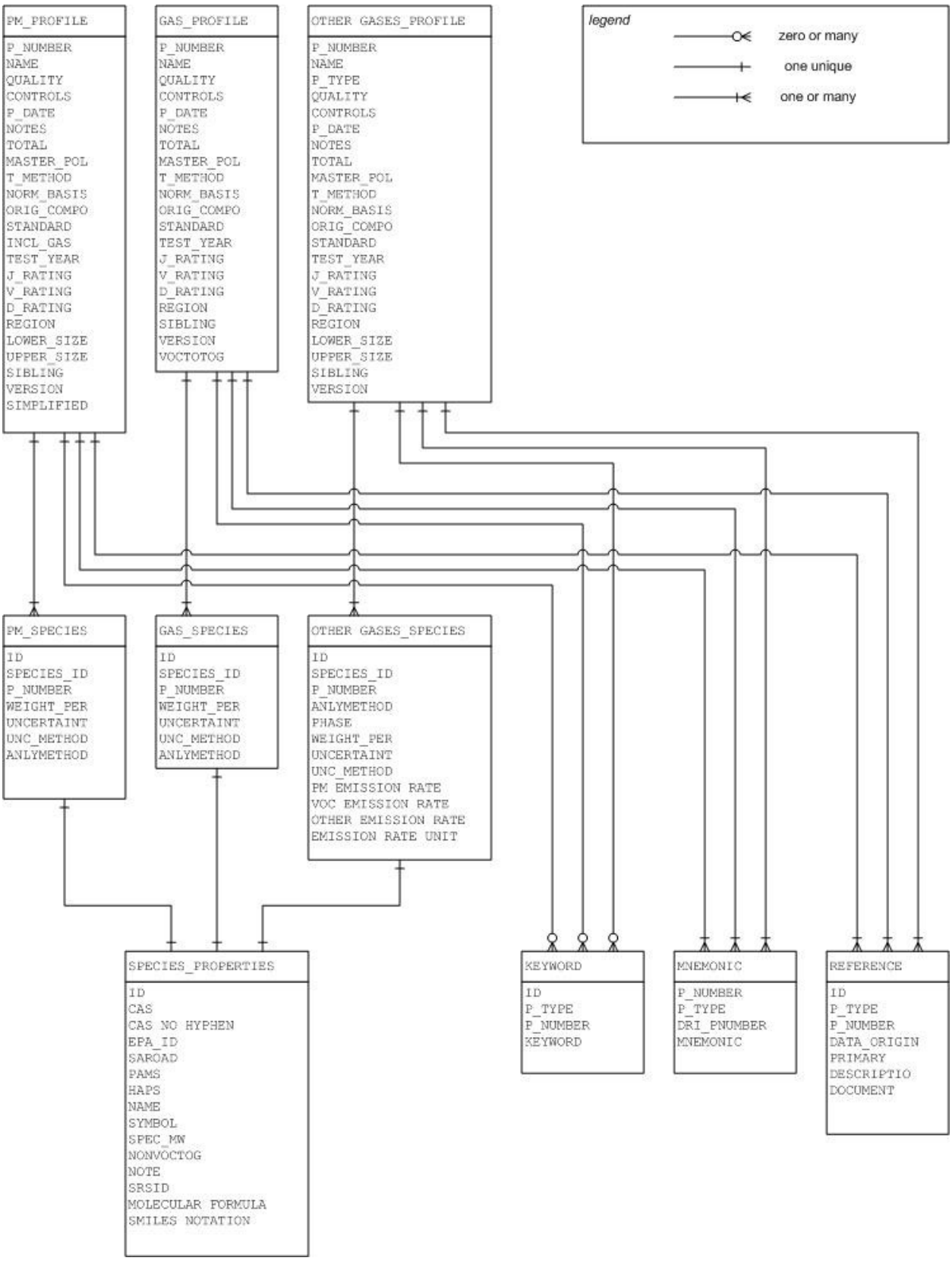


Table 1. Descriptive Data Dictionary

	Field	Type[1]	Length[2]	Decimals	Description
					PM_PROFILE Table
Primary key	P_NUMBER	C	10		PM Profile Number
	NAME	C	255		PM Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
		M			Notes
	TOTAL	N	6	2	Sum of species percentages for a given profile, excluding organic species, inorganic gases, and elemental sulfur in individual PM profiles (see Section IV.F “Double Counting Compounds” of this report for rationale).
NOTES	MASTER_POL	C	5		Indicates the pollutant to be used in calculation. Allowed value: 'PM' In the future, other values may be allowed (e.g., PM_PRI, PM_FIL, PM_CON)
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized (see section IV.E for details)
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	INCL_GAS	L	1		Indicates whether or not the profile includes inorganic gas species (e.g., sulfur dioxide, hydrogen sulfide, oxides of nitrogen, etc.)
	TEST_YEAR	N	4	0	Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
		C	50		Geographic region of applicability
	LOWER_SIZE	N	5	2	Identifies lower end of aerodynamic diameter particle size, micrometers
	UPPER_SIZE	N	5	2	Identifies upper end of aerodynamic diameter particle size, micrometers

REGION

Table 1 (continued)

		Type[1]	Length[2]	Decimals	Description
Foreign key	SIBLING	C	10		GAS Profile number; samples taken from the same source and study, if available.
		C	10		SPECIATE database version that a profile was added to
	SIMPLIFIED	L	1		Is the profile a PM Simplified Profile?
				PM_SPECIE Table	
Field					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Specie Identifier (The same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		PM Profile number (Link to PM_Profile Table)
VERSION	WEIGHT_PER	N	7	3	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
		C	50		Description of Analytical method (e.g., X-ray fluorescence spectroscopy, ion chromatography, etc.)
				REFERENCE Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
ANLYMETHOD	DATA_ORIGN	C	50		Source of data (e.g., EPA Air Pollution Prevention and Control Division (APPCD), Schauer, CARB, DRI, NPRI, Literature)
	PRIMARY	L			Designates a reference as primary. When a profile is based on multiple references, this field allows one reference to be tagged as the primary reference.
	DESCRIPTIO	M			Stores the descriptive information about the profile.
	DOCUMENT	M			Complete reference citation.
				GAS_PROFILE Table	
Primary key	P_NUMBER	C	10		GAS Profile Number
	NAME	C	255		GAS Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
		M			Notes

NOTES

Table 1 (continued)

		Type[1]	Length[2]	Decimals	Description
	TOTAL	N	6	2	Sum of organic gas species percentages for a given profile
	MASTER_POL	C	4		Indicates the pollutant to be used in calculation. Allowed values: 'VOC', 'TOG'. When methane was not measured in a study, ethane, acetone and other non-VOCs are removed from the profile and it is defined as a VOC profile.
Field	T_METHOD	M			Description of sampling method
		C	25		Description of how profile was normalized
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'O','C'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	TEST_YEAR	N	4		Indicates year testing was conducted
NORM_BASIS	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
	REGION	C	50		Geographic region of source
Foreign key	SIBLING	C	10		PM Profile number; samples taken from the same source and study, if available.
		C	10		SPECIATE database version that a profile was added to
	VOCtoTOG	N	7	3	VOC to TOG conversion factor
				GAS_SPECIE Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Species Identifier (Must be the same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		GAS Profile Number (Link to GAS_PROFILE table)
VERSION	WEIGHT_PER	N	6	2	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
		C	50		Description of Analytical method (e.g., gas chromatography (GC)/flame ionization detector (FID), GC/mass spectrometer (MS), high performance liquid chromatography (HPLC)/ultraviolet-visible (UV))

ANLYMETHOD

Table 1 (continued)

		Type[1]	Length[2]	Decimals	Description
			OTHER GASES_PROFILE Table		
Primary key	P_NUMBER	C	10		Other Gases Profile Number
	NAME	C	255		Other Gases Profile Name
	P_TYPE	C	25		Indicates Hg, SVOC, or NO/NO2/HONO
Field					
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
		M			Notes
	TOTAL	N	6	2	Sum of species percentages for a given profile
	MASTER_POL	C	5		Indicates the pollutant to be used in calculation.
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized (see section IV.E for details)
NOTES	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	TEST_YEAR	N	4	0	Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
		C	50		Geographic region of applicability
	LOWER_SIZE	N	5	2	Identifies lower end of aerodynamic diameter particle size, micrometers
	UPPER_SIZE	N	5	2	Identifies upper end of aerodynamic diameter particle size, micrometers
Foreign key	SIBLING	C	10		Profile number; samples taken from the same source and study, if available.
		C	10		SPECIATE database version that a profile was added to
REGION					
			OTHER GASES_SPECIE Table		
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Specie Identifier (The same as ID in SPECIE_PROPERTIES)
VERSION					

Table 1 (continued)

		Type[1]	Length[2]	Decimals	Description
Foreign key	P_NUMBER	C	10		Other Gases Profile number (Link to OTHER GASES_Profile Table)
		C	50		Description of Analytical method (e.g., GC/MS)
	PHASE	C	50		Indicate emissions were measured for PM, gaseous, or both phases.
	WEIGHT_PER	N	7	3	Weight percent of pollutant (%)
Field	SPECIES EMISSION RATE	N	7	3	Species emission rate
ANLYMETHOD	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
	PM EMISSION RATE	N	7	3	PM emission rate
	VOC EMISSION RATE	N	7	3	VOC emission rate
	OTHER EMISSION RATE	N	7	3	Other normalization basis (emission rate) other than PM or VOC, e.g., NOx, total Hg. Indicate pollutant, e.g., 5.3 (NOx), 3.6 (total Hg)
	EMISSION RATE UNIT	C	25		Units, e.g., mg/mile, mg/cycle
				KEYWORD Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P, G
Foreign key	P_NUMBER	C	10		Profile Number (Link to PM_PROFILE and GAS_PROFILE Tables)
		C	255		Keyword describing profile
				SPECIE_PROPERTIES Table	
Primary key	ID	N	9	0	Unique Identifier (Link to PM_SPECIES and GAS_SPECIES tables)
	CAS	C	50		Chemical Abstracts Service (CAS) number assigned to pollutant (with hyphens) (blank if no CAS)
KEYWORD	EPA_ID	C	50		EPA Chemical Identifier; provided by EPA Substance Registry System (SRS) for species without CAS numbers
	SAROAD	C	5		Storage and Retrieval of Aerometric Data (SAROAD) code
	PAMS	L	1		Is PAMS pollutant? (Yes or No)
	HAPS	L	1		Is Hazardous Air Pollutant? (Yes or No)
		C	255		Pollutant name
	SYMBOL	C	9		Standard chemical abbreviation (provided by Eric Fujita, DRI)
		N	6	2	Species molecular weight
	NonVOCTOG	L	1		Is this species not regarded as a volatile organic gas?
		C	250		Record notes

NAME

SPEC_MW

NOTE

Table 1 (continued)

	Field	Type[1]	Length[2]	Decimals	Description
	SRS ID	C	50		EPA Substance Registry System Chemical Identifier
	Molecular Formula	C	50		Molecular formula
	Smiles Notation	C	100		Smiles notation
				MNEMONIC Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
	DRI_PNUMBR	C	6		DRI profile number (Original DRI profile numbers)
	MNEMONIC	C	60		Alphanumeric code unique to each profile. Used in CMB input files.

[1] Field types. C: Character; D: Date; L: Logical; M: Memorandum; N: Numeric; Object.
[2] Length – length allowed.

A REGION field is intended to house information on the geographic testing locale of certain profiles. The VOC profiles based on the Environment Canada's NPRI database can be identified by two-letter province abbreviations under Region column in the Gas Profile table (e.g., BC stands for British Columbia) or gas profile numbers 7100 - 7199. NORM_BASIS has been added to indicate the aggregation of species by which the profile has been normalized [e.g., TOG, VOC, and PM with an aerodynamic diameter less than 10 micrometers (PM_{10})]. For the case where both a PM and GAS profile have been taken from the same study, the field SIBLING is used to identify the associated profiles.

The fields UNCERTAINT, UNC_METHOD, and ANLYMETHOD (see Table 1 and subsection C below) have been added to the species table to store that species-specific information in the database. These fields have been added to the species table to store uncertainty values, uncertainty methods, and analytical methods, respectively.

C. DATA DICTIONARY

The SPECIATE 4.2 database is a Microsoft Access relational database containing eight tables as described in Table 1.

- The PM_PROFILE table includes, but is not limited to, profile number, name, notes on the profile, and descriptive information about the profile such as sum of species, test method, and normalization basis. Also incorporated in this table are the ratings including expert judgment, vintage, data quality, and overall subjective profile quality rating. The use of the ratings is detailed in Section II.E of this document.

- PM_SPECIE table includes the species identification number, the profile number associated with the species, the percentage of the species in the profile, the uncertainty associated with the percentage value, the method used to determine uncertainty, and a description of the analysis method used to determine the species percentage in the profile.

- The REFERENCE table includes information that characterizes the reference documents associated with the profiles, including whether or not a particular reference is the primary reference (thus allowing multiple and unlimited references for any profile).

- The GAS_PROFILE table includes, but is not limited to, profile number, name, notes on the profile, and descriptive information about the profile such as sum of species, test method, and normalization basis. Also incorporated in this table are the ratings including expert judgment, vintage, data quality, and overall subjective profile quality rating. The use of the ratings is detailed in Section II.E of this document.

- The GAS_SPECIE table includes the species identification number, the profile number associated with the species, the percentage of the species in the profile, the uncertainty associated with the percentage value, the method used to determine uncertainty, and a description of the analysis method used to determine the species percentage in the profile.

- The Other Gases_PROFILE table includes, but is not limited to, profile number, name, notes on the profile, and descriptive information about the profile such as sum of species, test method, and normalization basis. Also incorporated in this table are the ratings including expert judgment, vintage, data quality, and overall subjective profile quality rating. The use of the ratings is detailed in Section II.E of this document.

- The Other Gases_SPECIE table includes the species identification number, the profile number associated with the species, the percentage or emission rate of the species in the profile, the uncertainty associated with the percentage value, the method used to determine uncertainty, and a description of the analysis method used to determine the species percentage or emission rate in the profile.

- The KEYWORD table includes descriptive keywords of profiles. This information can be used in keyword-based searches for profiles.

- The SPECIE_PROPERTIES table includes the identifying numbers associated with the compounds that are species in the database, as well as other characteristic information such as molecular weight.

- The MNEMONIC table includes abbreviated profile names used in CMB receptor models.

D. SPECIATE 3.2 LEGACY PROFILES

The profiles in SPECIATE 3.2 have been incorporated into the SPECIATE 4.2 database. The GAS_PROFILE and PM_PROFILE tables in the SPECIATE 4.2 database both contain a field named "VERSION" to identify profiles that originate from SPECIATE 3.2 (see Table 1 for the definition of this field). The data from SPECIATE 3.2 are reformatted for storage in the SPECIATE 4.2 database, but the additional fields that appear in SPECIATE 4.2 that do not appear in SPECIATE 3.2 are not populated. The SPECIATE 3.2 profiles are not subject to the SPECIATE 4.2 profile rating criteria discussed in the next section.

E. PROFILE RATING CRITERIA

SPECIATE is a legacy application that the EPA and other environmental stakeholders have used for many years. The new profiles added to SPECIATE 4.0 and later versions were developed based on data sets that have become available since SPECIATE 3.2 was released, as described in Section III. This section of the report explains rating criteria that the SPECIATE workgroup developed for the new profiles added to SPECIATE 4.0 and later versions. These ratings are meant to be used for comparing the quality of the new profiles relative to one another. In general, the workgroup believes that the quality of a profile does increase with the number of samples and that newer data are more representative of today's emission sources. However, this is not necessarily true for all profiles; consequently, the user of SPECIATE should acknowledge and consider these limitations when selecting profiles for use in their particular application.

The profile ratings that were developed for the newly developed source profiles are based on the following criteria:

- *V-rating (profile vintage)* is based on the vintage of the profile which reflects measurement technology and methodology. For profiles before year 1980 score = 1, 1980-1990 score = 2, 1991-1995 score = 3, 1996-2000 score = 4, and after Year 2000 score = 5. These data are housed in the V_RATING field in the PM and Gas profile tables.

- *D-rating (number of samples)* is given a "1" (poor) to "4" (excellent) rating. This category is rated based on the number of samples: # of samples > 10 score = 4; 5-9 samples score = 3; 3-4 and composite samples score = 2; 1-2 or unknown # of samples score = 1. These data are housed in the D_RATING field in the PM and Gas profile tables.

- *Overall Subjective Profile Quality Rating* is assigned a value of "A" (highest quality) to "E" (lowest quality) to each non-legacy profile based on the "*Quality Score"* calculated as the "V-rating" x "D-rating". Table 2 shows the range of quality scores that are mapped to each overall profile quality rating. The overall subjective profile quality rating is found in the PM and Gas profile tables under the field named QUALITY.

Table 2. Overall Subjective Profile Quality Ratings

Profile Quality	Quality Score Ranges
A	17-20
B	13-16
C	9-12
D	5-8
E	<5

Note that ratings are not provided for the composite PM profiles since these profiles were developed by compositing data for two or more individual profiles that have different scores for the same rating category. Also, ratings are not provided for the simplified profiles that were developed from more than one individual profile. The user should refer to the ratings for the individual profiles used to develop the composite and simplified profiles.

Legacy profiles originating from SPECIATE 3.2 do not have entries for V_RATING or D_RATING (or J_RATING shown below), however, they retain their legacy quality rating expressed numerically (5 = highest quality, 1= lowest quality). The SPECIATE 3.2 documentation does not identify how the quality ratings were selected.

- *J-rating (expert judgment)* is given a "1" (poor) to "5" (excellent) rating. This value is based on the information underlying each profile including, but not limited to:

    - Profile composition and compared with majority of other profiles of the same emission source;

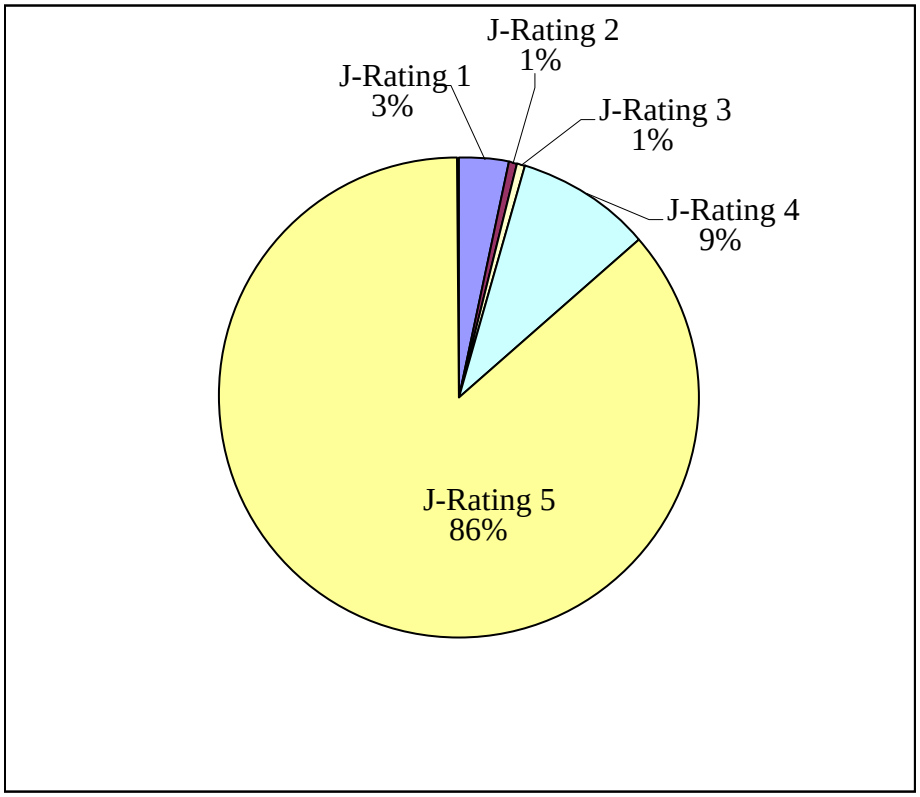
- Relative ratios of species within the profile;
- Sum of the speciated mass fractions;
- Supporting documentation;
- Data came from "good" peer-reviewed journals and reports;
- State-of-the-art data collection and analysis methods were used whenever data was obtained; and
- Data came from well-written documents by acknowledged experts in the field.

Many of these items are discussed in more detail in Chapter III. Due to the complexity of each profile, we were unable to develop an objective rule by which to assign the J-rating. These inherently qualitative values are assigned by the principal investigator for profiles obtained from DRI or by Pechan technical staff otherwise per the guidance of the SPECIATE workgroup. DRI and Pechan have extensive experience in source testing for speciation and processing speciated data for emissions inventories, toxic emissions assessment, photochemical modeling, and source-receptor modeling. The technical staff has published numerous peer-reviewed papers, prepared speciation profiles and methodologies for air quality management agencies. Owing to the subjective nature of this rating, it is not a component of the Overall Subjective Profile Quality Rating. The overall quality rating and its constituent ratings, as well as the expert judgment rating, are available to the user and auditor for their consideration. Users may consider the ratings as well as the reference and summary information about the profiles housed in the profile tables to determine the suitability of a profile to their needs. Table 3 lists the profile counts of J-Ratings for profiles in the SPECIATE 4.2. The distribution of profile J-Ratings are shown in Figure 3.

Table 3. J-Rating Counts of Profiles in the SPECIATE 4.2 Database

	Organic Gas Profiles	PM Profiles	Other Gases Profiles
J-Ratings	Counts	Counts	Counts
1	108	0	0
2	3	8	4
3	3	10	2
4	28	238	8
5	903	1423	223

Figure 3. J-Ratings Distribution of Profiles in the SPECIATE 4.2 Database



CHAPTER III. NEW PROFILES INCLUDED IN SPECIATE

During this project, speciation data and profiles obtained from EPA, CARB, DRI, TCEQ, Environment Canada, CRC, NREL, and numerous peer-reviewed journal articles were considered for inclusion in the post SPECIATE 3.2 databases.

A complete list of profiles in the database, as of the date of this document, is shown in Appendix A. The following sections describe significant datasets from which profiles were obtained.

A. EPA SPECIATION DATA

EPA data included the speciation of 374 gasoline and diesel liquids and headspace vapors. Other EPA VOC, TOG, and PM data incorporated into the database include those for the burning of foliar fuels, agricultural biomass burning, motor vehicle exhaust, and iron and steel manufacturing facilities. As of the date of this report, EPA has collected detailed speciation data for:

1. Gasoline and diesel liquids and headspace vapors (Lewis, 2004);
2. Burning of foliar fuels (Hays, et al., 2002), agricultural biomass burning (Hays, et al., 2005);
3. Weyerhaeuser Kraft process recovery boiler at a pulp and paper facility (EPA, 2003a);
4. Iron and steel manufacturing facilities (Machemer, 2004);
5. Motor vehicles (Zweidinger, et al., 1990);
6. Oil-fired utility boilers (Beck, 2004);
7. Combustion of residual fuel oil (Huffman, et al., 2000);
8. Wood-fired industrial boilers (ERG, 2001);
9. Development of Mercury Emission Factors for Mobile Sources (Hoyer, 2007);
10. "*Heavy-Duty Vehicle Chassis Dynamometer Testing for Emissions Inventory, Air Quality Modeling, Source Apportionment and Air Toxics Emissions Inventory*", phases I & II (CRC E55/59 study sponsored partly by EPA, CRC 2003 & 2005);
11. Coal-fired power plants speciated mercury emission factors (EPA, 2007); and
12. "*Analysis of Particulate Matter Emissions from Light-Duty Gasoline Vehicles in Kansas City*", Edward Nam, Carl Fulper, James Warila, Joseph Somers, Harvey Michaels, Richard Baldauf, Richard Rykowski, Carl Scarbro (EPA, 2008)
13. Emission Profiles for EPA SPECIATE Database, EPA Contract No. EP-C-06-094 (2008)

B. CASS GROUP SPECIATION DATA

Many studies were conducted by researchers associated with Dr. Glenn Cass's group at the California Institute of Technology. This subsection identifies the studies resulting from this research group for which profiles were developed and included in the SPECIATE 4.2 database and highly recommended by the SPECIATE workgroup. Schauer, et al. (1998) conducted a research study with the CARB to characterize seven air pollution sources: meat charbroiling, cooking with seed oils, medium-duty diesel trucks, gasoline-powered motor vehicles, fireplace combustion of wood, cigarette smoke, and industrial spray painting operations. Along with these

seven source sectors, this research study also included liquid gasoline and headspace vapor profiles and paved road dust profiles for source receptor modeling. Profiles from five out of the seven source sectors were published in peer-reviewed journals. The other profiles mentioned above were identified in the final report to the CARB (Schauer, et al., 1998) and incorporated into the database.

It is important to note that Schauer, *et al.* continued an earlier CARB funded research study by Rogge, et al. (1993) that applied several techniques to speciate pollutant compositions. Both studies were Ph.D. dissertations from Dr. Glen Cass's group at the California Institute of Technology. Other speciation profiles by Dr. Glen Cass's research group were also highly recommended by the workgroup, but have not been incorporated into the database as they are lower priority.

Both the Schauer, *et al.* and Rogge, *et al.* studies are extremely detailed in that they speciated hundreds of organic compounds in PM, in addition to ions, metals, elemental carbon (EC) and organic carbon (OC). These detailed speciation PM profiles are different from most other PM profiles which usually provide EC, OC, ions, and trace element information only. The additional OC speciation data provide important source markers for receptor modeling (e.g., hopanes, steranes, phenols, syringols, and levoglucosan) and TAP emission inventories for health risk assessment [e.g., polycyclic aromatic hydrocarbons (PAHs)].

C. CARB SPECIATION PROFILES

CARB has assembled many TOG profiles as a result of survey work, testing programs, and other research. CARB speciation profiles are available to the public on the internet (CARB, 2003). These profiles are used by CARB during the development of state implementation plans (e.g., to assess photochemical reactivity of VOC mixtures), TAP emission inventories, photochemical modeling, receptor modeling, and other air quality projects. In all, 221 TOG and 3 PM profiles from the CARB were selected for incorporation into the SPECIATE database. These profiles cover emission sources such as consumer products (based on 1997 survey data), aerosol coatings (1997 survey data), architectural coatings (1998 survey data), pesticides, landfill gas, wastewater treatment plants, thinning solvents (mineral spirits), degreasing solvents, vehicle hot soak (Hsu, 2003), and other motor vehicle emission sources powered by California reformulated gasoline (RFG). In the SPECIATE 4.2 database, there are 52 TOG, 5 PM, and 47 Other Gases mobile sources profiles available from CARB and incorporated into the database.

Other CARB profiles exist in the previous SPECIATE 3.2 database. Additional profiles were developed as part of CARB funded projects to DRI, and these profiles are included under the DRI data discussion below.

D. DRI SPECIATION PROFILES

A total of 1,182 PM speciation profiles were obtained from DRI and incorporated into the database. The source sectors represented emissions from geological material soils, vegetative burning, industrial fuel combustion, forest fires, road dust, refineries, coal combustion, motor vehicles, and many others. Moreover, the profiles measured for the U.S. Department of Energy

funded Gasoline-Diesel PM Split Study (DOE, 2005) are included in the SPECIATE 4.2 database.

DRI prepared an additional set of profiles for the Lake Tahoe Source Characterization Study (Kuhns, et al., 2004), and a study on middle- and neighborhood-scale variations of PM_{10} source contributions in Las Vegas, Nevada (Chow, et al., 1999). Due to priority, these PM profiles will be incorporated into a later version of SPECIATE.

E. TCEQ SPECIATION PROFILES

Speciation data from the report *Speciation of Texas Point Source VOC Emissions for Ambient Air Quality Modeling* (Cantu, 2003) were downloaded and reviewed for inclusion in the SPECIATE database. The TCEQ VOC profile database contains 9,447 VOC speciation profiles, which are associated with the Texas 2000 Air Quality Study (PES, 2003). Along with the profiles, this database includes a cross-reference table to link emission source identification numbers for each facility to the VOC speciation profiles. These point source profiles were derived from annual speciated VOC emissions reported by emitting facilities in Texas. Other Texas area source VOC profiles are essentially EPA SPECIATE 3.2 profiles.

As recommended by the workgroup, a total of eight VOC profiles for five refineries and three olefin manufacturing plants were added to the SPECIATE database (Allen, 2004). However, these profiles are given a low quality rating because meta data (e.g., analytical and sampling methods, source documentation, number of samples needed for profile quality rating) are not readily available and significant resources would be required to retrieve the underlying information (i.e., reviewing the facility reports, likely maintained at the facilities).

F. PROFILES PREPARED FROM ENVIRONMENT CANADA'S NATIONAL POLLUTANT RELEASE INVENTORY (NPRI)

A total of 100 VOC profiles were developed and included in the interim SPECIATE 4.1 database from data contained in Environment Canada's NPRI. The NPRI is the only nationwide, publicly-accessible program of its type in Canada that provides information on annual releases of pollutants to the air, water, land, and disposal or recycling from all sectors.

The NPRI database contains 22 tables that are structured in an MS Access relational database format. The NPRI database provides detailed stationary source facility-level emissions by pollutant along with facility contact information, addresses, and North American Industry Classification System (NAICS) code and/or Canadian or American Standard Industrial Classification (SIC) code. For this project, several methods were developed to match the fields in the NPRI database to the format of SPECIATE. The main difference between the SPECIATE database and the NPRI database is that the NPRI data are not provided at the emissions process or unit level but are aggregated to the facility level to avoid the disclosure of confidential information. Consequently, many of the data fields in the two databases could not be matched directly. For example, a facility may have emissions from boilers fueled with diesel and natural gas, volatile compounds from fugitive sources, and internal combustion engines. All of these speciated emissions are collectively registered to one facility account in the NPRI database by

plant operators. Since operation of each emission source is different from one plant to the others, the SPECIATE database is designed to capture speciation profiles in the most disaggregated form possible. The example above would have one profile for boiler fueled with diesel, boilers fueled with natural gas, fugitive emissions, and internal combustion engine. Appendix D provides a memorandum that discusses the approach used to develop composited profiles at the facility level using NPRI data.

G. ENVIRONMENT CANADA MOBILE SOURCES SPECIATION PROFILES

In addition to the NPRI database, Environment Canada also has extensive research programs to characterize emissions of vehicles with various engine and emission control technologies when operated on traditional gasoline, different blends of ethanol gasolines, diesel, biodiesel, and other fuels. Several studies tested vehicles at 0 ^{o}C and 20 ^{o}C for speciated emission composition comparisons (e.g., ERMD Report 00-37). Programs were undertaken to help identify and quantify the emissions impact of different blended fuels on the tailpipe and evaporative emissions. In general, reports discuss gaseous emissions of carbon monoxide (CO), oxides of nitrogen (NOx), total hydrocarbon (THC), non-methane hydrocarbons (NMHC), non-methane organic gases (NMOG), ethanol, PM, in addition to comprehensive speciated compounds (e.g., ERMD Report 98-26718, ERMD Report 05-39.)

H. COORDINATING RESEARCH COUNCIL E-75 DIESEL EXHAUST SPECIATION DATABASE

In order to better assess the current state of speciated diesel emissions data, the CRC and the U.S. DOE NREL jointly contracted with Pechan to conduct the E-75 project which had the following three objectives:

- Perform literature review of diesel speciation studies;
- Compile speciated exhaust emissions data from on-road diesel vehicles designed to meet U.S. emission standards; and
- Assess the quality and completeness of the data.

Pechan reviewed studies that have recently been carried out that provided data on speciated diesel exhaust emissions from vehicles with and without the use of advanced emission reduction technologies. In performing the literature search to determine the data sets that could be incorporated into a diesel emissions database for this project, Pechan accessed peer-reviewed materials such as journal papers [e.g., Environmental Science and Technology (ES&T)]and papers and reports from the Society of Automotive Engineers, CRC, NREL, CARB, U.S. EPA, and research institutes (e.g., University of Wisconsin, West Virginia University, University of California Riverside). After review and analysis of the report content and speciation methodology employed, the suitability of each reference was briefly summarized for this project (Hsu and Mullen, 2007). Over 240 references were reviewed for possible inclusion in the database.

I. ADDITIONAL DATA REVIEWED FOR INCLUSION

During the development of SPECIATE 4.0 database, the workgroup identified more than 800 peer-reviewed journal articles and technical reports to evaluate for use in developing profiles for SPECIATE. The workgroup prioritized the data sets with the highest priority given to EPA data sets as well as the data sets selected for SPECIATE 4.2 database that are previously discussed in this chapter. The high-priority data sets were further analyzed for completeness of information for profile development, the number of profiles that could be developed, priorities for source categories for which profiles previously were not available or for which improved profiles were needed, and the level-of-effort required to process the data sets. The analysis is summarized in the "Summary of Candidate Profiles Memorandum" available on the SPECIATE web site (direct link: http://www.epa.gov/ttn/chief/emch/speciation/). In addition, a MS Excel file (Master Evaluation of Profiles) is provided on this web site which shows the prioritization of the data sets. This file contains three worksheets (1) data that have been completed and incorporated into SPECIATE 4.2, (2) references have been reviewed and to be processed for incorporation into future versions of SPECIATE, and (3) reports that do not have sufficient data or details for developing profiles.

In addition, the SPECIATE workgroup has prepared guidance to assist profile data collectors on how to collect and present source profile data to maximize their utility to SPECIATE users, to assist future SPECIATE managers in assessing whether the data should be incorporated, and to facilitate the process for preparing profiles in SPECIATE format. This information is provided in Appendix B of this report.

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CHAPTER IV. IMPORTANT NOTES AND COMMENTS RELATED TO THE SPECIATE DATABASE UPDATE

Throughout the project, the workgroup raised issues and questions regarding the SPECIATE 4.2 database. This section describes results and decisions made by the workgroup.

A. COMPLETENESS OF THE SPECIATE DATABASE

The SPECIATE 4.2 database includes speciation profiles essentially covering the entire top 20 VOC and PM contributing source sectors in the draft 2002 NEI, accounting for over 80% of all emissions. For example, EPA constructed VOC and PM foliar fuel profiles that are appropriate to the prescribed burning and wildfires categories, two of the largest VOC and PM emission sectors in the draft 2002 NEI. Recent CARB TOG profiles for gasoline motor vehicle exhaust (catalyst and non-catalyst), surface coatings (architectural coatings and aerosol coatings both solvent-borne and water-borne), liquid gasoline and the latest EPA gasoline evaporative and diesel headspace profiles all reflect changes in new regulations and formulations. A much more complete speciation of diesel exhaust VOC is also included in the SPECIATE 4.2 database. The gasoline and diesel onroad sectors are among the largest organic gas emitters.

Speciation data for other large emission sectors like paved and unpaved road dust, degreasing, diesel exhaust, pesticides, solvents, consumer products, fireplaces, dry cleaning, graphic arts and household products were each available and incorporated into the SPECIATE 4.2 database. The SPECIATE 3.2 profiles were also incorporated into the SPECIATE 4.2 database.

During the development of the SPECIATE 4.2 database, the workgroup identified many mobile source emissions data sets that contain diesel exhaust PM and organic gases, gasoline vehicle exhaust and evaporative emissions, and non-road vehicle emissions (e.g., aircraft). In addition to conventional vehicle emissions data, future fuels (e.g., low sulfur diesel, biodiesel), and advanced technology vehicles are included in the SPECIATE 4.2 database.

B. UNRESOLVED MIXTURES WITHIN PROFILES

Many TOG and VOC speciation profiles contain mixtures of compounds listed as a single species (e.g., surface coatings and adhesives profiles have mineral spirits and/or “aromatic 100” solvents). Users could further speciate these unresolved fractions using appropriate solvent profiles provided in the SPECIATE 4.2 database (i.e., organic gas profile numbers 3141 and 4423 - 4461). Further effort should be expended in the future to resolve these mixtures within each of the SPECIATE profiles. This is an important issue for many users of SPECIATE, including photochemical modelers, inventory preparers, and control strategy analysts. Photochemical modelers have expressed an interest in seeing these mixtures resolved in speciation profiles (Carter, 2004). Unresolved mixtures occur in both the new profiles developed during this project, as well as the legacy SPECIATE 3.2 profiles.

The issue of unresolved mixtures is illustrated in Table 3 below in the SPECIATE 3.2 TOG profile for “surface coatings – general”. The top chemical listed is mineral spirits at 31% by

weight. Another important mixture in this profile is xylene isomers at 11% by weight. Since these chemicals are made up of many individual species, the use of this profile can present problems for users. Speciation profiles for mineral spirits and xylene mixtures are shown in Appendix C. Additional effort is needed to revise at least the most important speciation profiles to resolve the mixtures in order to present reasonably complete (i.e., species-specific) profiles for the user community. The key profiles are those with substantial amounts of mixtures (e.g., >3-5% by weight) and those that are commonly used in regional modeling and inventory development. For example, although there are additional mixtures shown in the profile in Table 3 (e.g., oxygenates, ketones), their contributions are fairly low.

Table 3. SPECIATE 3.2 Profile #2425 for Surface Coatings – General

Chemical Name	Weight Percent	CAS
MINERAL SPIRITS	31.05	64475850
TOLUENE	12.34	108883
XYLENE, ISOMERS OF	11.02	1330207
METHYL ETHYL KETONE	4.16	78933
BUTYL ACETATE N-	3.90	123864
ETHYLENE GLYCOL	3.35	107211
METHYL ISOBUTYL KETONE	3.15	108101
BUTYL CELLOSOLVE	2.94	111762
DIACETONE ALCOHOL	2.94	123422
BUTYL ALCOHOL S-	2.92	78922
ACETONE	2.36	67641
ISOBUTYL ALCOHOL	2.06	78831
ETHYL ALCOHOL	1.69	64175
ETHYL ACETATE	1.50	141786
ISOPROPYL ALCOHOL	1.50	67630
PROPYLENE GLYCOL	1.24	57556
TRICHLOROETHANE 1,1,1-	1.01	71556
UNDEFINED VOC	0.87	
PROPYL ACETATE N-	0.60	109604
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	0.60	108656
BUTYL CARBITOL	0.54	112345
OXYGENATES	0.49	
KETONES – GENERAL	0.44	
CELLOSOLVE ACETATE	0.36	111159
METHOXY-2-PROPANOL 1-	0.30	107982
MONOMETHYL ETHER DIPROPYLENE GLYCOL	0.30	34590948
CELLOSOLVE	0.24	110805
CARBITOL	0.12	111900
METHYL CARBITOL	0.12	111773

The profiles listed for mineral spirits and xylene mixtures in Appendix C show that there are important implications for resolving these mixtures. For users involved in preparing TAP inventories, important species are present in significant amounts (e.g., toluene, ethylbenzene, xylene isomers). Resolving these mixtures will also help photochemical modelers and control strategy analysts better understand the reactivity of the overall profile.

C. PREFERENCE OF NEW PROFILES

For certain source categories, SPECIATE users can choose from a set of relevant profiles. The 4.2 database incorporates updated speciation profiles that reflect the changes in product composition that have been made in response to new regulations (e.g., ethanol blended gasoline, VOC limits in coatings and solvents) and sampling technologies (e.g., dilution sampling for combustion sources). For example, consumer and commercial products categories are among the highest contributors to VOC emissions nationally. Due to new federal and state regulations, different ingredients have been developed for consumer products, and therefore, use of the new speciation profiles is recommended. Another example is the reduction of lead content in road dust, probably due to the phase-out of leaded gasoline. Newer profiles are generally recommended where a choice exists, except when conducting retrospective emissions analyses. Therefore, users should refer to the TEST_YEAR field associated with each profile when choosing profiles. The V_RATING field may also be useful for this purpose.

D. IDENTIFICATION OF SPECIES

The individual species that make up the profiles may be identified by several methods, so the SPECIATE 4.2 database provides several fields that can be used to distinguish each species. A CAS number is an identifier assigned to a specific compound by the American Chemical Society (ACS). EPA is often interested in groups of compounds, such as VOCs or PAHs. These groups are assigned EPA IDs where there are no CAS numbers in ACS. CAS numbers and EPA IDs are mutually exclusive -- that is, a compound or group never has both identifiers. An EPA internal tracking number (ITN) is assigned to all compounds or groups tracked in the SRS and makes a useful unique identifier for compounds/groups. However, it is not as well-known or as readily available as the CAS number. Finally, ongoing research and analysis shows that there are compounds and mixtures that have no associated identification numbers.

Within the SPECIATE 4.2 database, all species, whether individual compounds or groupings, are identified and detailed in the SPECIE_PROPERTIES table. A record or row is designated for each species tracked within the database; its various identifiers and characteristics are stored in the fields or columns of the record. The internal workings of SPECIATE depend on the row ID within the SPECIATE 4.2 database, rather than a particular ID number (such as CAS or EPA ID). Thus, the SPECIATE 4.2 database can function with or without the presence of an identification number.

In cases where neither the CAS number, EPA ID, nor EPA ITN is available, the ID field in the SPECIE_PROPERTIES table may be used to identify species in ancillary applications, such as mappings. Note that the SPECIATE temporary ID was used during the development of SPECIATE 4.0 to facilitate tracking of data but is no longer used.

If a CAS number, EPA ID, or EPA ITN is subsequently defined for a compound or group, that information will be recorded in the SPECIATE database in the SPECIE_PROPERTIES table. The EPA Office of Environmental Information provided identification information on compounds in SPECIATE that were previously without identification numbers and are tracked in

the SRS. These identifiers have been incorporated into the SPECIATE 4.2 database in the SPECIE_PROPERTIES table.

SAROAD codes are the other widely used chemical identifiers. However, EPA no longer maintains SAROAD codes for chemicals. Currently, SAROAD codes are included in many speciation databases and are built into photochemical and dispersion models. Since there is no central SAROAD codes database, there are several versions of SAROAD codes among EPA, state agencies and organizations (due to users generating their own SAROAD codes, as needed). Since there are conflicts in SAROAD codes, the workgroup was undecided about whether they should be included in the SPECIATE 4.2 database. For SPECIATE 4.2, the SAROAD codes associated with SPECIATE 3.2 profiles were kept in the database.

E. RENORMALIZATION OF PM PROFILES

Most of the profiles were normalized to the gravimetric mass of PM collected on Teflon filters. Due to the nature of sampling and analytical technologies, many PM speciation profiles show a total mass of larger than 100% due to OC measurements having "organic gas adsorption artifacts". OC collected on quartz fiber filters have positive artifacts due to adsorption of organic gases on the filter. Desorption of SVOC contributes to negative artifacts. There is no easy fix for these artifacts (Chow, 2004). Organic gas denuders and backup quartz fiber filters have been studied as methods for correcting these artifacts, but there are no standard solutions to date. Most of these profiles are technically accurate for the individual components, so the workgroup decided to keep OC data as they were obtained. *This procedure can produce aberrant weight percentages (WEIGHT_PER) in the PM_SPECIES records.* DRI applied two other normalization bases to a set of PM profiles. When measured mass was below 1 to 2 milligrams (mg) or exceeded 5 mg, the effect of gaseous OC adsorption on quartz-fiber filters becomes apparent as the sum-of-chemical-species-to-measured-mass ratios exceed unity. These samples were renormalized to the sum of species or reconstructed mass rather than measured mass. For the sum of species, only total carbon (TC) was used to represent carbonaceous material while for reconstructed mass $1.4 \times [OC] + [EC]$ was used to account for the mass of other elements (such as N, S, and O) associated with OC. The factor of 1.4 was selected to adjust the OC mass for other elements assumed to be associated with the OC molecule (White and Roberts, 1977; Japar et al., 1984). Similarly, crustal material was estimated by $2.2 \times [Al] + 2.49 \times [Si] + 1.63 \times [Ca] + 2.42 \times [Fe] + 1.94 \times [Ti]$ in the reconstructed mass by summing the mass of those elements predominantly associated with soil, with allowance for oxygen present in the common compounds (e.g., Al_2O_3, SiO_2, CaO, K_2O, FeO, Fe_2O_3, TiO_2) (EPA, 2003). The NORM_BASIS field in the PM_PROFILE table identifies the normalization bases used for a profile if this information is available.

F. DOUBLE-COUNTING COMPOUNDS

The total speciated percentage of a given PM profile is listed under the field of Total in the SPECIATE 4.2 database. It is calculated as the sum of all speciated compounds (e.g., EC, OC, sulfates, nitrates, metals), excluding elemental sulfur and speciated organics in PM (e.g., PAHs).

As described previously, speciated organic compounds were measured in many of EPA's and Schauer's PM profiles. The mass of these organic species was divided by PM mass as was done for other ions and elements in PM to calculate their mass fraction. For these PM profiles, the mass of each PM-associated organic species was excluded from the sum of all speciated compounds to avoid double-counting with OC (i.e., organic species such as PAHs are included in the OC fraction). The OC included in these PM speciation data have a higher mass than the sum of the speciated organic compounds (since not all species are identified and quantified). Therefore, the OC mass is used in the calculation of total PM mass when the profile is developed in order to achieve better mass closure.

Similarly, elemental sulfur and ionic sulfate were measured in many PM speciation datasets. They were analyzed using different analytical techniques (e.g., X-ray fluorescence spectroscopy, flame atomic absorption, ion chromatography). For the purposes of determining total PM mass, the ionic sulfate results from the ion chromatography analysis were used, since this technique provides a higher total mass than the elemental measurements. It is possible that some double-counting of Na, K, and Cl occurred in the calculation of total PM, but those errors are assumed to be negligible.

G. INORGANIC GASES IN PM PROFILES

Sulfur dioxide, ammonia and other inorganic gases were sometimes collected and measured along with PM. Sulfur dioxide and other gases are presented as percentages by dividing the individual gas mass by total PM mass but are not included in the Total Mass calculation for the profile. Inclusion of inorganic gases for receptor modeling purposes was recommended by the workgroup, with inorganic gases distinctly indicated as a gas in the chemical names. Inorganic gases are not added to the PM mass. The database includes a field (INCL_GAS) indicating whether a PM profile has associated inorganic gases.

H. CORRECTION FACTORS FOR OXYGENATED COMPOUNDS

The EPA gasoline and diesel headspace vapor data were calibrated by generic standards (e.g., correlate gas chromatograph responses to hexane standard gas), and, therefore, needed to be adjusted with correction factors (Lewis, 2004). Common oxygenated compounds in speciation profiles are ethanol, methyl t-butyl ether (MTBE), and t-amylmethyl ether (TAME). The mass percentages for oxygenated compounds were adjusted based on gas chromatography responses. These oxygenated compounds were adjusted based on correction factors in the literature (1.5, 1.25, and 1.2 for ethanol, MTBE, and TAME, respectively) (Scanlon et al., 1985; Jorgensen et al., 1990). Both adjusted and unadjusted speciation profiles for the EPA headspace vapor data were incorporated. The terms "adjusted for oxygenates" and "not adjusted for oxygenates" were added to the end of the names of the profiles in the GAS_PROFILE table in the SPECIATE 4.2 database to clearly identify the profiles for which response factors were applied versus the profiles for which the response factors were not applied.

I. OTHER CORRECTION FACTORS

Thermal optical reflection (TOR) and thermal optical transmission (TOT) instruments are commonly used to measure EC and OC. Both analyzers quantify carbon atoms only (i.e., the mass of associated oxygen, hydrogen, nitrogen and other atoms are not included). EC and OC measurements reported in DRI PM profiles were measured by the TOR procedure. EPA and Schauer's profiles used the TOT procedure for EC and OC analyses. This is important since previous studies have observed that the discrepancy in EC resulting from TOR and TOT procedures could be up to 40% due to differences in the operational definitions of EC and OC. Since there is no consensus on the best method for EC and OC measurements, data are reported as measured without adjustment. The SPECIATE 4.2 database includes an analytical methods field (ANALYMETHOD) in the PM_SPECIE table indicating which method was used.

J. DATA FROM TUNNEL STUDIES

Profiles generated from tunnel studies should be associated with onroad motor vehicle emissions, including mixtures of gasoline and diesel exhaust, evaporative sources, road dust, tire wear, brake wear, etc. These types of profiles can be identified from references in the database as well as the "NOTES" field. While these types of profiles may not be useful for the purposes of emission inventory development (since they are mixtures of many emission sources), they are useful for source apportionment (receptor) modeling.

K. VOC-to-TOG CONVERSION FACTORS

The process of calculating the VOC-to-TOG conversion factor for a given profile consists of determining the organic gases in the profile that are exempted from the EPA VOC definition and determining what portion of the overall profile is composed of these non-photochemically reactive compounds (e.g., methane, ethane, acetone). Once the weight fraction sum of these non-photochemically reactive compounds is known, it is divided into 1 to obtain the VOC-to-TOG conversion factor. The EPA definition of VOC and a list of exempt organic gases are available at http://www.epa.gov/ttn/naaqs/ozone/ozonetech/def_voc.htm.

Using the EPA list, database queries were used to compute the VOC-to-TOG factors. For example, if a profile contains 20% methane (non-volatile gas) and 80% VOC, the VOC-to-TOG conversion factor is the sum of all species divided by the portion that is VOC, or 100 / 80 in this example. The resulting conversion factor (1.25) is stored with the profile in the field "VOC to TOG". It can be applied to an estimate of VOC emissions to estimate TOG emissions.

For composite profiles, the conversion factors are computed after the composites are developed.

L. COMPOSITE PROFILES

Many large emission source categories have multiple speciation profiles in the SPECIATE 4.2 database. The workgroup prepared 47 composite PM profiles and then added them to the SPECIATE 4.2 database. Table 4 lists the P_NUMBER and name of the profiles. Users may employ the composite profiles to avoid manual comparison of several relevant but diverse

profiles, using the composites as an indication of central tendency for the source category. Users may equally prefer their own analysis of the constituent profiles, determining the best fit for their needs, thereby obviating the need for the composites.

The PM-composite profiles are identified by profile numbers (P_NUMBER) that start with "91xxx". The term "composite" is also included at the end of the name in the "NAME" field in the PM_PROFILE table. The composite profiles are easily identified by the ORIG_COMPO field (allowed value = "O" for Original, "C" for Composite, Null for legacy profiles). The "NOTES" field in the PM_PROFILE table identifies the individual profiles (included in the SPECIATE 4.2 database) upon which the composite profiles are based. The documentation provided in the "NOTES" field is also provided in the "DESCRIPTIO" field in the REFERENCE table; the "DOCUMENT" field in the REFERENCE table is null since the composite profiles are based on more than one individual profile. Users may look-up the references for the individual profiles in the database to identify the references supporting the PM-composite profiles.

Table 4. New PM Composite Profiles Included in the SPECIATE 4.2 Database

P_NUMBER	NAME
91000	Agricultural Burning – Composite
91001	Agricultural Soil – Composite
91002	Brake Lining Dust – Composite
91003	Catalytic Cracking – Composite
91004	Cement Production - Composite
91005	Charbroiling – Composite
91006	Cigarette Smoke – Composite
91007	Construction Dust – Composite
91008	Copper Production - Composite
91009	Crustal Material – Composite
91010	Distillate Oil Combustion - Composite
91011	Electric Arc Furnace - Composite
91012	Ferromanganese Furnace - Composite
91013	Fly Ash – Composite
91014	Food & Ag - Handling - Composite
91015	Industrial Soil – Composite
91016	Inorganic Fertilizer - Composite
91017	LDDV Exhaust – Composite
91018	Lime Kiln – Composite
91019	Limestone Dust – Composite
91020	Natural Gas Combustion - Composite
91021	Non-catalyst Gasoline Exhaust - Composite
91022	Onroad Gasoline Exhaust - Composite
91023	Paved Road Dust – Composite
91024	Phosphate Manuf – Composite
P_NUMBER	**NAME**
91025	PMSO2ControlledLigniteCombustion - Composite
91026	Prescribed Burning - Composite
91027	Process Gas Combustion - Composite
91028	Residential Coal Combustion - Composite
91029	Residential Wood Combustion: Eucalyptus - Composite

Table 4 (continued)

P_NUMBER	NAME
91030	Residential Wood Combustion: Hard - Composite
91031	Residential Wood Combustion: HardSoft - Composite
91032	Residential Wood Combustion: HardSoftN/A - Composite
91033	Residential Wood Combustion: Soft - Composite
91034	Residual Oil Combustion - Composite
91035	Sand & Gravel – Composite
91036	Sandblast – Composite
91037	Secondary Aluminum - Composite
91038	Sintering Furnace – Composite
91039	Slash Burning - Composite
91040	Solid Waste Combustion - Composite
91041	SubBituminousCombustion - Composite
91042	Surface Coating - Composite
91043	Tire Dust - Composite
91044	Unpaved Road Dust - Composite
91045	Wildfires - Composite
91046	Wood Product Drying - Composite
91047	Wood Product Sawing - Composite

Scientists at EPA's OAQPS and ORD (who are also members of the workgroup) collaborated in selecting the individual profiles for developing each composite profile (Reff and Bhave, 2006). During the compositing process, all profiles in the SPECIATE 4.0 database were considered but some were not used for a variety of reasons. For these profiles, the worksheet named "Reason For Exclusion" is provided in a separate Excel spreadsheet file (PM Profiles not Used to Develop Composite Profiles.xls) that accompanies the SPECIATE 4.0 release. Examples of why profiles were excluded include, but are not limited to, the following:

- The PM size fraction was greater than $PM_{2.5}$
- No information was provided for profiles about the type of fuel or controls used
- More recent profiles were available
- The profile was a composite

The weight percent value of each species included in the composite profile is based on the median weight percent value available from the individual profiles upon which the composite profile is based. For some source categories (e.g., paved road dust), composite profiles were created hierarchically by forming a "subcomposite" profile based on profiles that were measured from very similar source tests (e.g., Central California road dust) and then computing a composite based on the median of the subcomposite profiles. This approach was taken to avoid overweighting very similar profiles that are more numerous in the database. Null values in the individual profiles are treated as "no data available" and were excluded from determining the median value for the composite profile. Zero values in the individual profiles are assumed to mean that the weight percent value for a species is zero and is included in determining the median value for the composite profile. OC and EC composite values were calculated by the following method to account for differing analytical methods:

1. Prior to profile compositing, the OC and EC fractions were summed to calculate TC for each source profile.

2. The mean OC, mean EC, and mean TC values were calculated for each source category. If any SPECIATE profiles in a source category measured carbon using a TOR method, then only those profiles were included in the mean calculations. If no profiles in the category measured carbon by TOR, then all profiles were used to calculate mean OC, EC, and TC values.

3. Two ratios were calculated using the above mean values for each source category: OC:TC and EC:TC.

4. "Carbon method corrected" OC and EC values were calculated for each SPECIATE profile by multiplying the source category specific OC:TC and EC:TC ratios against the original TC values of each source profile.

5. The medians of these "Carbon method corrected" OC and EC values in each source category were taken as the final value for the composite profile of each source category.

M. PM-SIMPLIFIED PROFILES

PM-simplified profiles are those based on full PM profiles collapsed to the following five species: EC, OC, sulfate, nitrate, and PMother (remaining mass fraction representing all other species). The main difference between the PM-simplified profiles and the original PM profiles is that the five species in PM-simplified profiles sum to 100% whereas the original PM profiles could speciate for less or more than 100% (due to sampling artifacts). PM-simplified profiles are employed in air quality models [e.g., EPA Models-3 Community Multiscale Air Quality Modeling System (CMAQ)] that use the simplified, five-species approach.

The workgroup prepared 95 simplified profiles and then added them to the database. Table 5 lists the P_NUMBER and name of the profiles. The PM-simplified profiles are identified by profile numbers (P_NUMBER) that start with "92xxx". The term "simplified" is also included at the end of the name in the "NAME" field in the PM PROFILE table. The PM-simplified profiles are also identified by an "X" (check off mark) in the "SIMPLIFIED" field in the PM_PROFILE table.

Table 5. New PM-Simplified Profiles Included in the SPECIATE 4.2 Database

P_NUMBER	NAME
92000	Agricultural Burning - Simplified
92001	Agricultural Soil - Simplified
92002	Aluminum Production - Simplified
92003	Ammonium Nitrate Production - Simplified
92004	Ammonium Sulfate Production - Simplified
92005	Asphalt Manufacturing - Simplified
92006	Asphalt Roofing - Simplified
92007	Auto Body Shredding - Simplified
92008	Boric Acid Manufacturing - Simplified
92009	Brake Lining Dust - Simplified
92010	Brick Grinding and Screening - Simplified
92011	Calcium Carbide Furnace - Simplified
92012	Cast Iron Cupola - Simplified
92013	Catalytic Cracking - Simplified
92014	Cement Production - Simplified
92015	Charbroiling - Simplified
92016	Charcoal Manufacturing - Simplified
92017	Chem Manuf – Avg - Simplified
92018	Cigarette Smoke - Simplified
92019	Coke Calciner - Simplified
92020	Construction Dust - Simplified
92021	Copper Production - Simplified
92022	Crustal Material - Simplified
92023	Dairy Soil - Simplified
92025	Distillate Oil Combustion - Simplified
92026	Electric Arc Furnace - Simplified
92027	Ferromanganese Furnace - Simplified
92028	Fiberglass Manufacture - Simplified
92029	Fly Ash - Simplified
92030	Food & Ag - Handling - Simplified
92031	Food & Ag – Drying - Simplified
92032	Geothermal Background - Simplified
92033	Glass Furnace - Simplified
92034	Gypsum Manufacture - Simplified
92035	HDDV Exhaust - Simplified
92036	Heat Treating - Simplified
92037	Ind Manuf - Avg. - Simplified
92038	Industrial Soil - Simplified
92039	Inorganic Chemical Manufacture - Simplified
92040	Inorganic Fertilizer - Simplified
92041	Kraft Recovery Furnace - Simplified
92042	LDDV Exhaust - Simplified
92043	Lead Production - Simplified
92044	Lime Kiln - Simplified
92045	Limestone Dust - Simplified
92046	Meat Frying - Simplified
92047	Mineral Products - Avg - Simplified
92048	Natural Gas Combustion - Simplified
92049	Non-catalyst Gasoline Exhaust - Simplified

Table 5 (continued)

P_NUMBER	NAME
92050	Onroad Gasoline Exhaust - Simplified
92051	Open Hearth Furnace - Simplified
92052	Overall Average/Default - Simplified
92053	Paved Road Dust - Simplified
92054	Petroleum Ind - Avg - Simplified
92055	Phosphate Manuf - Simplified
92056	PMControlledLigniteCombustion - Simplified
92057	PMSO2ControlledLigniteCombustion - Simplified
92058	Potato Deep-Frying - Simplified
92059	Prescribed Burning - Simplified
92060	Process Gas Combustion - Simplified
92061	Pulp & Paper –Avg. - Simplified
92062	Residential Coal Combustion - Simplified
92063	Residential Natural Gas Combustion - Simplified
92064	Residential Wood Combustion: Almond - Simplified
92065	Residential Wood Combustion: Cedar - Simplified
92066	Residential Wood Combustion: Eucalyptus - Simplified
92067	Residential Wood Combustion: Hard - Simplified
92068	Residential Wood Combustion: HardSoft - Simplified
92069	Residential Wood Combustion: HardSoftN/A - Simplified
92070	Residential Wood Combustion: Soft - Simplified
92071	Residential Wood Combustion: Synthetic - Simplified
92072	Residual Oil Combustion - Simplified
92073	Sand & Gravel - Simplified
92074	Sandblast - Simplified
92075	Sea Salt - Simplified
92076	Secondary Aluminum - Simplified
92077	Secondary Copper - Simplified
92078	Secondary Lead - Simplified
92079	Sintering Furnace - Simplified
92080	Slash Burning - Simplified
92081	Sludge Combustion - Simplified
92082	Solid Waste Combustion - Simplified
92083	Steel Desulfurization - Simplified
92084	Sub Bituminous Combustion - Simplified
92085	Surface Coating - Simplified
92086	Tire Burning - Simplified
92087	Tire Dust - Simplified
92088	Unpaved Road Dust - Simplified
92089	Urea Fertilizer - Simplified
92090	Wildfires - Simplified
92091	Wood Fired Boiler - Simplified
92092	Wood Product Drying - Simplified
92093	Wood Product Sanding - Simplified
92094	Wood Product Sawing - Simplified
92095	Bituminous Coal Combustion - Simplified

Each simplified profile is based on the data in either a PM-composite profile (described above) or an individual profile included in SPECIATE 4.2 database. The “NOTES” field in the PM_PROFILE table in the SPECIATE 4.2 database identifies the composite or individual profile (included in the SPECIATE database) upon which each simplified profile is based. The documentation provided in the “NOTES” field is also provided in the “DESCRIPTION” field in the REFERENCE table; the “DOCUMENT” field in the REFERENCE table is null.

Note that OC weight percent in each PM-simplified profile corresponds only to the carbon mass, due to the workgroup's decision. It is not corrected to account for other carbon bounded elements like nitrogen, oxygen, hydrogen, etc., since there are no universally accepted correction factors for all emission sources. Users should apply correction factors where appropriate.

N. SCC-to-SPECIATE PROFILE CROSS-REFERENCE TABLE

Air quality modelers and emission inventory preparers rely on the SCC-to-SPECIATE profile cross-reference table to convert bulk emission inventories of VOC and $PM_{2.5}$ into speciated inventories. Applications of the cross-reference table are wide and essential, from the development of photochemical modeling inputs to characterization of speciated emissions (e.g., TAPs) and global warming pollutants such as methane and EC. To facilitate use of the new speciation profiles, the cross-reference table was updated using the latest speciation profiles available in the SPECIATE 4.2 database. The starting points for these updates were the latest cross-reference tables from EPA (Houyoux, 2005).

The workgroup reviewed the assigned organic gases speciation profiles covering the SCCs that account for 80% of the draft 2002 NEI VOC emissions. The SCCs were prioritized by VOC emissions; 146 SCCs were identified. After assessing the assigned speciation profiles in Sparse Matrix Operator Kernel Emissions (SMOKE) and those available in the SPECIATE 4.0, the workgroup applied new speciation profile assignments for 135 SCCs, which account for 72% of the draft 2002 NEI VOC emissions. The remaining SCCs retained the existing profile assignment.

$PM_{2.5}$ speciation profiles for all SCCs were reviewed and updated by the workgroup, which provided 95 simplified profiles – some new, some revised, and some based on data in SPECIATE 3.2. No profile was identical to any old EPA profiles because the new profiles do not use a 1.2 multiplier to increase the OC fraction to primary organic aerosol and decrease the PM Other fraction. Most of these profiles were assigned to SCCs with $PM_{2.5}$ emissions in the 1999 and 2001 NEI. The EPA has updated this cross reference for all SCCs with $PM_{2.5}$ emissions in the 2002 NEI.

Some composite profiles were created but not assigned because they were not appropriate for a default SCC-only assignment. These profiles could be used by SPECIATE 4.2 users by adding to the cross-reference location-specific profile assignments to certain counties or facilities, to support the particular needs of users. For example, the profile "Residential Wood Combustion: Eucalyptus" is not used in any default profile assignments, but could be used in areas where Eucalyptus is a primary source of emissions from residential wood combustion sources. A list of the profiles is tabulated below:

Profile Name	Profile Number
Cigarette Smoke	92018
Geothermal Background	92032
PM Controlled Lignite Combustion	92056
Residential Wood Combustion: Almond	92064
Residential Wood Combustion: Cedar	92065
Residential Wood Combustion: Eucalyptus	92066
Residential Wood Combustion: Hard	92067
Residential Wood Combustion: HardSoftN/A	92069
Residential Wood Combustion: Soft	92070
Residential Wood Combustion: Synthetic	92071

Through this process, EPA made the following major improvements to the available $PM_{2.5}$ profiles and assignments.

- New and separate profiles for western bituminous and subbituminous coal combustion and controlled lignite coal combustion are being used for appropriate processes.
- Different natural gas profiles for residential, natural gas as used by industry, and processed gas.
- A revised profile for wildfires is being used.
- A new profile for prescribed burning is being used for prescribed burning, instead of the wildfire profile. Similarly, profiles are available for boric acid manufacturing, calcium carbide furnace exhaust, inorganic fertilizer, urea fertilizer, lime kiln combustion, sludge combustion, potato frying, limestone dust, and autobody shredding.
- Household waste combustion is now using the agricultural burning profile instead of an incineration profile, to reflect the lower temperature burning and "smokier" profile that household waste combustion would be expected to have.
- A meat frying profile is now available that is specific to meat frying and different from the profile for charbroiling.
- The default profile assignment for residential wood combustion is a composite profile based on hardwood and softwood profiles. However, more detailed profiles are also available in the SPECIATE 4.2 database, which are not being used because they are not appropriate for a national default.
- A new steel desulfurization profile is being used instead of the sintering furnace and open-hearth furnace profiles used previously for steel desulfurization processes.
- A tire burning profile is being used instead of the solid waste combustion profile used previously for tire burning.
- A dairy soil profile is being used for dairy soil dust, instead of a generic soil dust profile. Other soil/dust profiles available in the database are coal, coke, construction, industrial, limestone, and paved/unpaved dust.

The new cross-reference table better characterizes source chemical compositions, which should result in improvements in inventories and air quality modeling. The new cross-reference table is available on the SPECIATE web site (http://www.epa.gov/ttn/chief/emch/speciation/). A memorandum documenting the development of the cross-reference table is also available at the same web site.

Limitations of the cross-reference table include the following:

1. Spatial and temporal resolution – the SCC-to-SPECIATE profile cross reference is a one-to-one relationship (i.e., each SCC is assigned to one PM or one VOC/TOG/NMOG profile). When there are differences in emission source compositions for different regions and/or time periods (e.g., monthly, quarterly), users may need to revise profile assignments with profiles that are more representative of emission sources for a specific region and/or time period. For example, the new ethanol gasoline liquid (Profile # 8733) and vapor (Profile # 8736) profiles are assigned in the cross-reference table because they are believed to be more representative of ethanol-blended gasoline nationwide. For geographic areas that do not require or use ethanol-blended gasoline, the ethanol blended gasoline profiles are not appropriate. For this instance, a list of other optional profiles (e.g., non-oxygenated and MTBE blended gasoline fuels) is included with the cross-reference table for users to consider. Users of the cross-reference table should consult with local air quality management agencies for the type of fuels used.

2. Emission source coverage – Because of the lack of speciation data for many SCCs, same profiles were selected for similar emission characteristic sectors. For example, there are no pleasure boats exhaust (SCC 2282005010) speciation profiles available in the SPECIATE database; therefore, a light-duty gasoline vehicle exhaust profile (#4556) is assigned to this SCC. The same profile is also assigned to snowmobiles (SCC 2260001020), lawn and garden equipment (SCC 2260004026), and other nonroad emissions. This limitation can be improved by adding speciation data of those emission sources when they are available in the future. In addition, the workgroup has identified the following categories as high priority for SPECIATION profile development:

    - Coal combustion - Eastern bituminous coal combustion and improved regional coverage for subbituminous coal combustion for both controlled and uncontrolled conditions. Efforts should be combined with research to also improve $PM_{2.5}$ emission factors and establish differences in emissions factors between filterable and condensable $PM_{2.5}$ for different coal and control technologies.
    - Nonroad diesel engines (e.g., construction equipment).
    - Gasoline-powered boats.
    - On-road gasoline exhaust under different conditions (e.g., temperatures/ seasons).
    - Updated process refinery gas outside of California, which would be more representative of other sources.
    - Combustion and exhaust controlled woodstoves.

3. PM profiles - The PM profiles assigned are all for the $PM_{2.5}$ size fraction. Many profiles for the same source sectors are available for different size fractions (PM_{10} and total PM). The compositions of different PM sizes can be different. In this case, when applying profiles to PM sizes other than 2.5 micrometers, users should consult the SPECIATE 4.2 database to determine if profiles are available for different sizes.

O. MOLECULAR WEIGHTS

The SPECIATE 4.2 database contains a SPECIE_PROPERTIES table that includes 2,198 unique species (both individual compounds and mixtures). Since SPECIATE 4.2 includes all profiles from SPECIATE 3.2, the molecular weights (MWs) as well as other species information were included in the updated SPECIATE 4.2 database. The MWs for new species were obtained from the EPA's SRS database. If the MW for a species was not available in the SRS, then internet search engines were utilized to look for MW. If a MW could not be identified for a species, a default average MW (i.e., 137.19 grams/mole) was assumed. This default MW is recommended by Dr. William Carter of University of California at Riverside who uses it to process input files for air quality modeling.

P. QUALITY ASSURANCE PROJECT PLAN

A "SPECIATE 4.0 Quality Management Plan/Quality Assurance Project Plan" was developed at the beginning of the SPECIATE update project, and has been updated as needed to document changes in quality assurance/quality control responsibilities and refinements to procedures. This document is available from EPA upon request.

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CHAPTER V. SOURCE PROFILE PREPARATION METHODS

Chemical speciation data of air pollution sources are typically provided in one of two common formats – weight percent format or emission factor format. The methods used to prepare speciation profiles for use in SPECIATE depend upon the format of the speciated data as described below:

- *Weight percent format* – both CARB and DRI speciated datasets were provided in weight percent format, which only needed to be augmented with profile meta data to support the new SPECIATE tables described above (i.e., keywords, documentation, analytical and sampling methods, profile quality ratings, pollution source descriptions, etc.). EPA gasoline and diesel profiles were also available in weight percent format, and therefore underwent the same processing procedures as CARB and DRI profiles, except that oxygenates (ethanol, MTBE, and TAME) were adjusted based on response factors by GC/FID (Lewis, 2004) as described in Section H. After applying corrections, the fuels profiles were normalized to 100%;

- *Emission factor format* – EPA foliar fuels speciation data and Cass Group speciation data are available as emission factors (e.g., mg/kilogram of biomass burned, mg/kilometer traveled, and mg/kilogram of meat cooked). For each source type, emission factors of all speciated compounds and unidentified species were summed to obtain the total VOC or TOG emission factors. The individual species emission factors were then divided by the total emission factors and multiplied by 100 to convert to weight percent.

In some instances, organic compounds in PM were also speciated. These organic species were divided by PM mass, as was done for other ions and elements in PM. For PM profiles, PM-associated organic species mass was not included in the PM mass to avoid double-counting with OC (i.e., carbon atoms in each organic species are already represented in the OC fraction). After obtaining the weight fraction for each species, this value was multiplied by 100 to obtain weight percent.

After converting speciated data to weight percent, the profile information listed in the data dictionary (e.g., CAS number, keywords, documentation, analytical and sampling methods, profile quality ratings, pollution source descriptions) was added based on the information provided in the original reference(s) for each profile (e.g., peer-reviewed papers and technical reports).

Many organic species have several chemical names (e.g., methylene chloride and dichloromethane). The database has been revised to be consistent with the nomenclature used commonly within the United States (e.g., from sources such as chemfinder.com). These chemical names are consistent with those available in the EPA SRS (www.epa.gov/srs/). In addition, errors were found for some of the CAS numbers provided in the original speciation data. CAS numbers have been checked by a program following the design of the CAS numbering system (CAS, 2004).

Limitations of SPECIATE 4.2 include the following:

1. "Unknown," "Unidentified," and "Undefined VOC" species – In the SPECIATE 4.1 and earlier versions (i.e., 3.2 and 4.0) of databases, several profiles contain unspeciated mass identified as "Unknown," "Unidentified," or "Undefined VOC". In some cases, more than one of these terms appears in the same profile. Users should know that all three terms represent the mass associated with unidentified species in the profile. For the SPECIATE 4.2 database, the workgroup decided using one term "Unknown" to identify unspeciated mass in profiles. The database was revised accordingly.

2. Use of profiles with low quality ratings – Profile quality ratings are dictated by the age or vintage of the data (V-rating) and number of samples (D-rating). For example, Profiles #4526 – 4534 are gasoline vapor profiles collected in 2004. Even though, these profiles are relatively recent and provide comprehensive coverage of species, they have an overall quality rating of "D" because they are based on one sample. Note that gasoline fuels of different grades and produced by different refineries can have a wide range of gasoline vapor compositions. For example, in the same set of profiles (#4526 – 4534), n-butane varies from 22% to 41%. Therefore, the species composition of the individual profiles can vary significantly even though samples were collected from the same area in the same month. In this case, a composite profile based on those profiles (#4526 – 4534) is recommended. For the source sectors that do not have multiple samples for compositing to upgrade quality ratings, low quality rating profiles should be used with caution.

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APPENDIX A. SUMMARY OF PROFILES CURRENTLY INCORPORATED INTO THE SPECIATE 4.2 DATABASE

Table A-1. Summary of VOC Profiles Incorporated into the SPECIATE 4.2 Database

Profile Number	Name	Data Origin	Keyword	Profile Type
0000	Over All Average	SPECIATE 3.2	OVERALL AVERAGE	G
0001	External Combustion Boiler - Residual Oil	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; RESIDUAL OIL COMBUSTION	G
0002	External Combustion Boiler - Distillate Oil	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; DISTILLATE OIL COMBUSTION	G
0003	External Combustion Boiler - Natural Gas	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; NATURAL GAS COMBUSTION	G
0004	External Combustion Boiler - Refinery Gas	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; REFINERY GAS COMBUSTION	G
0005	External Combustion Boiler - Coke Oven Gas	SPECIATE 3.2	BOILER; COKE OVEN GAS; EXTERNAL COMBUSTION BOILER	G
0007	Natural Gas Turbine	SPECIATE 3.2	NATURAL GAS COMBUSTION; TURBINE	G
0008	Reciprocating Diesel Engine	SPECIATE 3.2	DIESEL COMBUSTION	G
0009	Reciprocating Distillate Oil Engine	SPECIATE 3.2	DISTILLATE OIL COMBUSTION	G
0011	By Product Coke Oven Stack Gas	SPECIATE 3.2	COKE OVEN GAS	G
0012	Blast Furnace Ore Charging and Agglomerate Charging	SPECIATE 3.2	BLAST FURNACE; FURNACE	G
0013	Iron Sintering	SPECIATE 3.2	IRON; IRON SINTERING	G
0014	Open Hearth Furnace With Oxygen Lance	SPECIATE 3.2	OPEN HEARTH FURNACE; FURNACE	G
0016	Basic Oxygen Furnace	SPECIATE 3.2	BASIC OXYGEN FURNACE; FURNACE	G
0023	Asphalt Roofing - Spraying	SPECIATE 3.2	ASPHALT	G
0024	Asphalt Roofing Tar Kettle	SPECIATE 3.2	TAR KETTLE; ASPHALT ROOFING; ASPHALT	G
0025	Asphaltic Concrete - Natural Gas Rotary Dryer	SPECIATE 3.2	NATURAL GAS COMBUSTION; ROTARY DRYER; ASPHALTIC CONCRETE	G
0026	Asphaltic Concrete - In Place Road Asphalt	SPECIATE 3.2	ASPHALT; ROAD ASPHALT; ASPHALTIC CONCRETE	G
0029	Refinery Fluid Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	G
0031	Refinery Fugitive Emissions - Covered Drainage / Separation Pits	SPECIATE 3.2	REFINERY; PETROLEUM INDUSTRY; INDUSTRIAL	G
0035	Refinery Fugitive Emissions - Cooling Towers	SPECIATE 3.2	REFINERY; PETROLEUM INDUSTRY; INDUSTRIAL	G
0039	Refinery Fugitive Emissions - Compressor Seals - Refinery Gas	SPECIATE 3.2	REFINERY; PETROLEUM INDUSTRY; INDUSTRIAL	G
0047	Refinery Fugitive Emissions - Relief Valves - Liquified Petroleum Gas	SPECIATE 3.2	PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	G
0051	Flares - Natural Gas	SPECIATE 3.2	FLARES; NATURAL GAS COMBUSTION	G
0066	Varnish Manufacturing - Bodying Oil	SPECIATE 3.2	BODYING OIL; VARNISH; COATING	G
0068	Manufacturing - Plastics - Polypropylene	SPECIATE 3.2	PLASTICS; POLYPROPYLENE	G
0072	Printing Ink - Cooking	SPECIATE 3.2	INK; GRAPHIC ARTS; COATING	G
0076	General Pesticides	SPECIATE 3.2	PESTICIDES	G
0078	Ethylene Dichloride - Direct Chlorination	SPECIATE 3.2	CHLORINATION; ETHYLENE DICHLORIDE	G
0079	Chemical Manufacturing - Flares	SPECIATE 3.2	CHEMICAL MANUFACTURING; FLARES	G
0085	Perchloroethylene - Dry Cleaning	SPECIATE 3.2	DRYCLEANING; PERCHLOROETHYLENE	G
0087	Degreasing - 1,1,1-Trichloroethane	SPECIATE 3.2	DEGREASING; TRICHLOROETHANE	G
0088	Degreasing - Trichlorofluoromethane (Freon 11)	SPECIATE 3.2	DEGREASING; FREON; TRICHLOROFLUOROMETHANE	G
0089	Degreasing - 1,1,2-Trichloroethane	SPECIATE 3.2	DEGREASING; TRICHLOROETHANE	G
0090	Degreasing - Toluene	SPECIATE 3.2	DEGREASING; TOLUENE	G
0100	Fixed Roof Tank - Commercial Jet Fuel (Jet A)	SPECIATE 3.2	JET FUEL	G
0121	Open Burning Dump - Landscape/Pruning	SPECIATE 3.2	OPEN BURNING; WOOD COMBUSTION	G
0122	Bar Screen Waste Incinerator	SPECIATE 3.2	INCINERATOR	G
0127	Surface Coating - Varnish/Shellac	SPECIATE 3.2	COATING; VARNISH/SHELLAC	G
0166	Printing Press - Letterpress Inking Process	SPECIATE 3.2	INK; LETTERPRESS; PRINTING PRESS; PRINTING; GRAPHIC ARTS	G
0182	Printing Press - Gravure General Solvent	SPECIATE 3.2	GRAPHIC ARTS; GRAVURE; PRINTING PRESS; PRINTING; SOLVENT	G
0183	Printing Press - Gravure Printing Solvent	SPECIATE 3.2	GRAVURE; PRINTING PRESS; PRINTING; SOLVENT; GRAPHIC ARTS	G
0195	Residential Fuel - Natural Gas	SPECIATE 3.2	NATURAL GAS COMBUSTION; RESIDENTIAL	G

Profile Number	Name	Data Origin	Keyword	Profile Type
0197	Solvent Use - Domestic Solvents	SPECIATE 3.2	SOLVENT; CONSUMER PRODUCTS	G
0202	Solid Waste Landfill Site - Class II	SPECIATE 3.2	LANDFILL; SOLID WASTE	G
0203	Solid Waste - Animal Waste Decomposition	SPECIATE 3.2	ANIMAL WASTE; SOLID WASTE	G
0217	Coke Oven Blast Furnace Gas	SPECIATE 3.2	COKE OVEN GAS; BLAST FURNACE; FURNACE	G
0219	Surface Coating Paint Solvent - Acetone	SPECIATE 3.2	ACETONE; COATING; PAINT; SOLVENT	G
0220	Paint Solvent - Ethyl Acetate	SPECIATE 3.2	ETHYL ACETATE; COATING; PAINT; SOLVENT	G
0221	Paint Solvent - Methyl Ethyl Ketone	SPECIATE 3.2	MEK; METHYL ETHYL KETONE; PAINT; SOLVENT; COATING	G
0222	Surface Coating - Enamel Cellosolve Acetate	SPECIATE 3.2	ENAMEL; COATING; CELLOSOLVE ACETATE	G
0223	Surface Coating - Varnish/Shellac Solvent - Xylene	SPECIATE 3.2	COATING; SOLVENT; VARNISH/SHELLAC; XYLENE	G
0225	Surface Coating - Primer - Mineral Spirits	SPECIATE 3.2	COATING; MINERAL SPIRITS; PRIMER	G
0226	Surface Coating Solvent - Ethyl Alcohol	SPECIATE 3.2	ETHYL ALCOHOL; COATING; SOLVENT	G
0227	Surface Coating Solvent - Isopropyl Alcohol	SPECIATE 3.2	COATING; ISOPROPYL ALCOHOL; SOLVENT	G
0228	Surface Coating Solvent - Isopropyl Acetate	SPECIATE 3.2	COATING; ISOPROPYL ACETATE; SOLVENT	G
0229	Surface Coating Solvent - Lactol Spirits	SPECIATE 3.2	COATING; LACTOL SPIRITS; SOLVENT	G
0230	Fixed Roof Tank - Hexane	SPECIATE 3.2	HEXANE	G
0271	Degreasing - Trichloroethylene	SPECIATE 3.2	DEGREASING; TRICHLOROETHYLENE	G
0272	Automotive Tires - Tuber Adhesive	SPECIATE 3.2	ADHESIVE; TIRE	G
0273	Automotive Tires - Tuber Adhesive White Sidewall	SPECIATE 3.2	ADHESIVE; TIRE	G
0274	Automobile Tire Production	SPECIATE 3.2	TIRE	G
0275	Degreasing - Dichloromethane	SPECIATE 3.2	DEGREASING; DICHLOROMETHANE	G
0277	Degreasing - Trichlorotrifluoroethane (Freon 113)	SPECIATE 3.2	DEGREASING; FREON; TRICHLOROTRIFLUOROETHANE	G
0282	Surface Coating Primer - Naptha	SPECIATE 3.2	COATING; NAPTHA; PRIMER	G
0288	Surface Coating Solvent - Butyl Acetate	SPECIATE 3.2	BUTYL ACETATE; COATING; SOLVENT	G
0289	Surface Coating Solvent - Butyl Alcohol	SPECIATE 3.2	BUTYL ALCOHOL; COATING; SOLVENT	G
0290	Surface Coating Solvent - Cellosolve	SPECIATE 3.2	CELLOSOLVE; COATING; SOLVENT	G
0291	Surface Coating Solvent - Methyl Alcohol	SPECIATE 3.2	COATING; METHANOL; SOLVENT	G
0292	Surface Coating Solvent - Dimethylformamide	SPECIATE 3.2	COATING; DIMETHYLFORMAMIDE; SOLVENT; SURFACE COATING	G
0296	Fixed Roof Tank - Crude Oil Production	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	G
0297	Fixed Roof Tank - Crude Oil Refinery	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	G
0299	Fixed Roof Tank - Cyclohexane	SPECIATE 3.2	CYCLOHEXANE	G
0301	Fixed Roof Tank - Heptane	SPECIATE 3.2	HEPTANE	G
0304	Printing Press - Flexographic, N-Propyl Alcohol	SPECIATE 3.2	FLEXOGRAPHIC; PRINTING PRESS; PRINTING; PROPYL ALCOHOL; GRAPHIC ARTS	G
0305	Fixed Roof Tank - Crude Oil Marine Terminal	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
0307	Miscellaneous Burning - Forest Fires	SPECIATE 3.2	FOREST FIRES; WOOD COMBUSTION	G
0316	Pipe/Valve Flanges	SPECIATE 3.2	EQUIPMENT LEAKS; LEAKS	G
0321	Pump Seals - Composite	SPECIATE 3.2	EQUIPMENT LEAKS; LEAKS	G
0332	Printing Press - Lithography Inking and Drying	SPECIATE 3.2	INK; LITHOGRAPHY; PRINTING PRESS; PRINTING; GRAPHIC ARTS	G
0333	Lithography - Inking and Drying-Direct Fired Dryer	SPECIATE 3.2	INK; LITHOGRAPHY; PRINTING; GRAPHIC ARTS	G
1001	Internal Combustion Engine - Natural Gas	SPECIATE 3.2	NATURAL GAS COMBUSTION	G
1002	Chemical Manufacturing - Carbon Black Production	SPECIATE 3.2	CARBON BLACK; CHEMICAL MANUFACTURING	G
1003	Surface Coating Operations - Coating Application -Solvent-Base Paint	SPECIATE 3.2	COATING; PAINT	G
1004	Plastics Production - Polystyrene	SPECIATE 3.2	POLYSTYRENE; PLASTICS	G
1005	Plastics Production - Polyester Resins	SPECIATE 3.2	POLYESTER RESIN; PLASTICS	G
1006	Phthalic Anhydride - O-Xylene Oxidation - Main Process Stream	SPECIATE 3.2	PHTHALIC ANHYDRIDE; XYLENE	G
1007	Mineral Products - Asphaltic Concrete	SPECIATE 3.2	MINERAL PRODUCTS; ASPHALTIC CONCRETE; ASPHALT	G

Profile Number	Name	Data Origin	Keyword	Profile Type
1008	Rubber and Miscellaneous Plastics Products - Fabricated Rubber Products - Styrene/Butadiene, Rubber	SPECIATE 3.2	RUBBER; STYRENE/BUTADIENE; PLASTICS	G
1009	Plastics Production - Acrylonitrile-Butadiene-Styrene Resin	SPECIATE 3.2	ACRYLONITRILE BUTADIENE STYREN; PLASTICS	G
1010	Oil and Gas Production - Fugitives - Unclassified	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRIAL	G
1011	Oil and Gas Production - Fugitives - Valves and Fittings - Liquid Service	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRIAL	G
1012	Oil and Gas Production - Fugitives - Valves and Fittings - Gas Service	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
1013	Surface Coating Operations - Coating Application - Water-Base Paint	SPECIATE 3.2	COATING; PAINT	G
1014	Gasoline - Summer Blend	SPECIATE 3.2	GASOLINE; GASOLINE - SUMMER	G
1015	Gasoline - Winter Blend	SPECIATE 3.2	GASOLINE; GASOLINE - WINTER	G
1016	Surface Coating Operations - Thinning Solvents - Composite	SPECIATE 3.2	COATING; SOLVENT	G
1017	Surface Coating Operations - Coating Application - Lacquer	SPECIATE 3.2	COATING; LACQUER	G
1018	Surface Coating Operations - Coating Application - Enamel	SPECIATE 3.2	ENAMEL; COATING	G
1019	Surface Coating Operations - Coating Application - Primer	SPECIATE 3.2	COATING; PRIMER	G
1020	Surface Coating Operations - Coating Application - Adhesives	SPECIATE 3.2	ADHESIVE; COATING	G
1021	Degreasing - Open Top - Chlorosolve	SPECIATE 3.2	CHLOROSOLVE; DEGREASING	G
1022	Printing/Publishing - Ink Thinning Solvents - Methyl Isobutyl Ketone	SPECIATE 3.2	INK; GRAPHIC ARTS; METHYL ISOBUTYL KETONE; PRINTING; SOLVENT	G
1023	Terephthalic Acid/Dimethyl Terephthalate Crystallization, Separation and Drying Vent	SPECIATE 3.2	TEREPHTHALIC ACID; DIMETHYL TEREPHTHALATE	G
1024	Terephthalic Acid/Dimethyl Terephthalate Distillation and Recovery Vent	SPECIATE 3.2	TEREPHTHALIC ACID; DIMETHYL TEREPHTHALATE	G
1025	Terephthalic Acid/Dimethyl Terephthalate Product Transfer Vent	SPECIATE 3.2	TEREPHTHALIC ACID; DIMETHYL TEREPHTHALATE	G
1026	Surface Coating Operations - Thinning Solvent - Hexylene Glycol	SPECIATE 3.2	COATING; HEXYLENE GLYCOL; SOLVENT	G
1027	Ketone Production - Methyl Ethyl Ketone (MEK)	SPECIATE 3.2	KETONES; MEK; METHYL ETHYL KETONE	G
1028	Acetone - Light Ends Distillation Vent	SPECIATE 3.2	ACETONE	G
1029	Acetone - Acetone Finishing Column	SPECIATE 3.2	ACETONE	G
1030	Aldehydes Production - Formaldehyde - Absorber Vent	SPECIATE 3.2	ALDEHYDES; FORMALDEHYDE	G
1031	Surface Coating Operations - Thinning Solvent - Ethylene Oxide	SPECIATE 3.2	COATING; ETHYLENE OXIDE; SOLVENT	G
1032	Aldehydes Production - Acrolein - Distillation System	SPECIATE 3.2	ACROLEIN; ALDEHYDES	G
1033	Aldehydes Production - Acrolein - Reactor Blowoff Gas	SPECIATE 3.2	ACROLEIN; ALDEHYDES	G
1034	Chloroprene - Butadiene Dryer	SPECIATE 3.2	CHLOROPRENE; BUTADIENE; CHEMICAL MANUFACTURING	G
1035	Chloroprene - Chloroprene Stripper and Brine Stripper	SPECIATE 3.2	CHLOROPRENE; CHEMICAL MANUFACTURING	G
1036	Secondary Aluminum - Pouring and Casting	SPECIATE 3.2	ALUMINUM; SECONDARY ALUMINUM; METALLURGICAL PROCESS	G
1037	Organohalogens - Ethylene Dichloride - Ethylene Dichloride Via Direct Chlorination - Distillation Vents	SPECIATE 3.2	DIRECT CHLORINATION; ETHYLENE DICHLORIDE; ORGANOHALOGENS; CHEMICAL MANUFACTURING	G
1038	Organohalogens Production - Ethylene Dichloride - Ethylene Dichloride Via Oxychlorination	SPECIATE 3.2	ETHYLENE DICHLORIDE; ORGANOHALOGENS; OXYCHLORINATION; CHEMICAL MANUFACTURING	G
1039	Organohalogens Production - Ethylene Dichloride - Caustic Scrubber	SPECIATE 3.2	ETHYLENE DICHLORIDE; ORGANOHALOGENS; CHEMICAL MANUFACTURING	G
1040	Fluorocarbons/Chlorofluorocarbons - General	SPECIATE 3.2	CHLOROFLUOROCARBONS; FLUOROCARBON; CHEMICAL MANUFACTURING	G
1041	Fluorocarbons/Chlorofluorocarbons - Distillation Column	SPECIATE 3.2	CHLOROFLUOROCARBONS; FLUOROCARBON; CHEMICAL MANUFACTURING	G
1042	Fluorocarbons/Chlorofluorocarbons - Fugitive Emissions - General	SPECIATE 3.2	CHLOROFLUOROCARBONS; FLUOROCARBON; CHEMICAL MANUFACTURING	G
1043	Acrylic Acid - Quench Absorber	SPECIATE 3.2	CHEMICAL MANUFACTURING; ACRYLIC ACID	G
1044	Organic Acids Production - Formic Acid	SPECIATE 3.2	FORMIC ACID; ORGANIC ACIDS; CHEMICAL MANUFACTURING	G
1045	Organic Acids Production - Acetic Anhydride - Distillation Column Vent	SPECIATE 3.2	ACETIC ANHYDRIDE; CHEMICAL MANUFACTURING; ORGANIC ACIDS	G
1046	Esters Production - Acrylates - Ethyl Acrylate	SPECIATE 3.2	ESTERS; ETHYL ACRYLATE; CHEMICAL MANUFACTURING	G
1047	Esters Production - Butyl Acrylate	SPECIATE 3.2	BUTYL ACRYLATE; ESTERS; CHEMICAL MANUFACTURING	G
1048	Cumene Production - Cumene Distillation System Vent	SPECIATE 3.2	CUMENE; CHEMICAL MANUFACTURING	G
1049	Cyclohexane - General	SPECIATE 3.2	CYCLOHEXANE; CHEMICAL MANUFACTURING	G

Profile Number	Name	Data Origin	Keyword	Profile Type
1050	Cyclohexanone/Cyclohexanol - Phenol Hydrogenation Process - Distillation Vent	SPECIATE 3.2	CYCLOHEXANOL; CYCLOHEXANONE; PHENOL HYDROGENATION; CHEMICAL MANUFACTURING	G
1051	Vinyl Acetate - Inert Gas Purge Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; VINYL ACETATE	G
1052	Vinyl Acetate - CO2 Purge Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; VINYL ACETATE	G
1053	Vinyl Acetate – Inhibitor Mix Tank Discharge	SPECIATE 3.2	VINYL ACETATE; CHEMICAL MANUFACTURING	G
1054	Vinyl Acetate – Refining Column Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; VINYL ACETATE	G
1055	Organic Chemical Storage - Methylamyl Ketone	SPECIATE 3.2	METHYLAMYL KETONE	G
1056	Ethylene Oxide - Oxygen Oxidation Process Reactor - CO2 Purge Vent	SPECIATE 3.2	ETHYLENE OXIDE; CHEMICAL MANUFACTURING	G
1057	Ethylene Oxide - Oxygen Oxidation Process Reactor - Argon Purge Vent	SPECIATE 3.2	ETHYLENE OXIDE; CHEMICAL MANUFACTURING	G
1058	Ethylene Oxide - Stripper Purge Vent	SPECIATE 3.2	ETHYLENE OXIDE; CHEMICAL MANUFACTURING	G
1059	Methyl Methacrylate (MMA) - Hydrolysis Reactor, MMA and Light Ends Distillation Unit	SPECIATE 3.2	CHEMICAL MANUFACTURING; HYDROLYSIS; METHYL METHACRYLATE; MMA	G
1060	Methyl Methacrylate (MMA) - Acid Distillation and MMA Purification	SPECIATE 3.2	METHYL METHACRYLATE; MMA; CHEMICAL MANUFACTURING	G
1061	Nitrobenzene - Reactor and Separator Vent - Washer and Neutralizer Vent	SPECIATE 3.2	NITROBENZENE; CHEMICAL MANUFACTURING	G
1062	Benzene	SPECIATE 3.2	BENZENE; CHEMICAL MANUFACTURING	G
1064	Olefins Production - Ethylene - Compressor Lube Oil Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; ETHYLENE; OLEFINS	G
1065	Propylene Oxide - Chlorohydronation Process - General	SPECIATE 3.2	CHLOROHYDRONATION; CHEMICAL MANUFACTURING; PROPYLENE OXIDE	G
1066	Styrene - General	SPECIATE 3.2	STYRENE	G
1067	Styrene - Benzene Recycle	SPECIATE 3.2	BENZENE; STYRENE; CHEMICAL MANUFACTURING	G
1068	Styrene - Styrene Purification	SPECIATE 3.2	STYRENE; CHEMICAL MANUFACTURING	G
1069	Organic Chemical Storage - N-Propyl Acetate	SPECIATE 3.2	CHEMICAL MANUFACTURING; PROPYL ACETATE	G
1070	Alcohols Production - Methanol - Purge Gas Vent	SPECIATE 3.2	ALCOHOLS; METHANOL; CHEMICAL MANUFACTURING	G
1071	Alcohols Production - Methanol - Distillation Vent	SPECIATE 3.2	ALCOHOLS; METHANOL; CHEMICAL MANUFACTURING	G
1072	Chlorobenzene - Tail Gas Scrubber	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING	G
1073	Chlorobenzene - Benzene Drying Distillation	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING; BENZENE	G
1074	Monochlorobenzene	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING	G
1075	Chlorobenzene - Vacuum System Vent	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING	G
1076	Chlorobenzene - Dichlorobenzene Crystallization	SPECIATE 3.2	CHLOROBENZENE; DICHLOROBENZENE; CHEMICAL MANUFACTURING	G
1077	Chlorobenzene - Dichlorobenzene Crystal Handling / Loading	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING; DICHLOROBENZENE	G
1078	Railcar Cleaning - Low Vapor Pressure, High Viscosity Cargo (Ethylene Glycol)	SPECIATE 3.2	ETHYLENE GLYCOL; RAILCAR CLEANING	G
1079	Rail Car Cleaning - Low Vapor Pressure, Medium Viscosity Cargo (O-Dichlorobenzene)	SPECIATE 3.2	DICHLOROBENZENE; RAILCAR CLEANING	G
1080	Rail Car Cleaning - Low Vapor Pressure, High Viscosity Cargo (Creosote)	SPECIATE 3.2	CREOSOTE; RAILCAR CLEANING	G
1081	Tank Truck Cleaning - Medium Vapor Pressure, Medium Viscosity Cargo (Methyl Methacrylate)	SPECIATE 3.2	TANK TRUCK CLEANING; METHYL METHACRYLATE; MMA	G
1082	Tank Truck Cleaning - Low Vapor Pressure, Low Viscosity Cargo (Phenol)	SPECIATE 3.2	PHENOL; TANK TRUCK CLEANING	G
1083	Tank Truck Cleaning - Low Vapor Pressure, High Viscosity Cargo (Propylene Glycol)	SPECIATE 3.2	PROPYLENE GLYCOL; TANK TRUCK CLEANING	G
1084	Residential Wood Combustion (C-1 - C-6)	SPECIATE 3.2	WOOD COMBUSTION; RESIDENTIAL	G
1085	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; COAL COMBUSTION	G
1086	Printing/Flexographic	SPECIATE 3.2	FLEXOGRAPHIC; PRINTING; GRAPHIC ARTS	G
1087	Organic Chemical Storage - i-Butyl, i-Butyrate	SPECIATE 3.2	BUTYRATE; BUTYL	G
1088	Surface Coating Operations - Adhesive Application	SPECIATE 3.2	ADHESIVE; COATING	G
1089	Secondary Metal Production - Gray Iron Foundries - Pouring/Casting	SPECIATE 3.2	FOUNDRIES; GRAY IRON; IRON; METALLURGICAL PROCESS; SECONDARY METAL	G
1090	Fluorocarbon Manufacturing - CF 12/11	SPECIATE 3.2	FLUOROCARBON; CHEMICAL MANUFACTURING; CHLOROFLUOROCARBONS	G
1091	Plastics Production - Polyvinyl Chlorides and Copolymers	SPECIATE 3.2	POLYVINYL CHLORIDES; PLASTICS	G
1092	Synthetic Organic Fiber Production - Nylon Batch Production Process	SPECIATE 3.2	ORGANIC FIBER; SYNTHETIC ORGANIC FIBER; NYLON	G
1093	Fluorocarbon Manufacturing - CF 23/22	SPECIATE 3.2	FLUOROCARBON; CHLOROFLUOROCARBONS	G
1094	Paint Manufacture - Blending Kettle	SPECIATE 3.2	COATING; PAINT	G

Profile Number	Name	Data Origin	Keyword	Profile Type
1095	Textile Products - General Fabric Operations - Dyeing and Curing	SPECIATE 3.2	DYEING AND CURING; TEXTILE	G
1096	Textile Products - General Fabric Operations - Tenter Frame	SPECIATE 3.2	TENTER FRAME; TEXTILE	G
1097	Aircraft Landing/Takeoff (LTO) - Military	SPECIATE 3.2	AIRCRAFT; LANDING/TAKEOFF; LTO	G
1098	Aircraft Landing/Takeoff (LTO) - Commercial	SPECIATE 3.2	AIRCRAFT; LANDING/TAKEOFF; LTO	G
1099	Aircraft Landing/Takeoff (LTO) - General Aviation	SPECIATE 3.2	AIRCRAFT; LANDING/TAKEOFF; LTO	G
1100	Refueling	SPECIATE 3.2	REFUELING; GASOLINE; GASOLINE MARKETING	G
1101	Light Duty Gasoline Vehicles - 46 Car Study	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	G
1103	1-Pentene	SPECIATE 3.2	PENTENE	G
1104	Acetaldehyde	SPECIATE 3.2	ACETALDEHYDE	G
1105	Acetic Acid	SPECIATE 3.2	ACETIC ACID	G
1106	Acetic Anhydride	SPECIATE 3.2	ACETIC ANHYDRIDE	G
1107	Acrolein	SPECIATE 3.2	ACROLEIN	G
1108	Acrylic Acid	SPECIATE 3.2	ACRYLIC ACID	G
1109	Acrylonitrile	SPECIATE 3.2	ACRYLONITRILE	G
1110	Adipic Acid	SPECIATE 3.2	ADIPIC ACID	G
1111	Aniline	SPECIATE 3.2	ANILINE	G
1112	Benzyl Chloride	SPECIATE 3.2	BENZYL CHLORIDE	G
1114	Butyl Acrylate	SPECIATE 3.2	BUTYL ACRYLATE	G
1115	Butyl Carbitol	SPECIATE 3.2	BUTYL CARBITOL	G
1116	Butyl Cellosolve	SPECIATE 3.2	BUTYL CELLOSOLVE	G
1118	Carbitol	SPECIATE 3.2	CARBITOL	G
1119	Carbon Tetrachloride	SPECIATE 3.2	CARBON TETRACHLORIDE	G
1120	Acetylene	SPECIATE 3.2	ACETYLENE	G
1121	Chloroform	SPECIATE 3.2	CHLOROFORM	G
1122	Cresol	SPECIATE 3.2	CRESOL	G
1123	Cumene	SPECIATE 3.2	CUMENE	G
1124	Cyclohexanol	SPECIATE 3.2	CYCLOHEXANOL	G
1125	Cyclohexanone	SPECIATE 3.2	CYCLOHEXANONE	G
1126	Cyclopentene	SPECIATE 3.2	CYCLOPENTENE	G
1127	Diethylene Glycol	SPECIATE 3.2	DIETHYLENE GLYCOL	G
1128	Diisopropyl Benzene	SPECIATE 3.2	DIISOPROPYL BENZENE	G
1129	Dipropylene Glycol	SPECIATE 3.2	DIPROPYLENE GLYCOL	G
1130	Dodecene	SPECIATE 3.2	DODECENE	G
1131	Epichlorohydrin	SPECIATE 3.2	EPICHLOROHYDRIN	G
1132	Ethanolamines	SPECIATE 3.2	ETHANOLAMINES	G
1134	Ethyl Acrylate	SPECIATE 3.2	ETHYL ACRYLATE	G
1135	Ethyl Benzene	SPECIATE 3.2	ETHYL BENZENE	G
1136	Ethyl Ether	SPECIATE 3.2	ETHYL ETHER	G
1137	Ethyl Mercaptan	SPECIATE 3.2	ETHYL MERCAPTAN	G
1138	Ethylene Dibromide	SPECIATE 3.2	ETHYLENE DIBROMIDE	G
1139	Ethyleneamines	SPECIATE 3.2	ETHYLENEAMINES	G
1140	Formaldehyde	SPECIATE 3.2	FORMALDEHYDE	G
1141	Formic Acid	SPECIATE 3.2	FORMIC ACID	G
1142	Furfural	SPECIATE 3.2	FURFURAL	G
1144	Heptenes	SPECIATE 3.2	HEPTENES	G
1145	Isobutyrldehyde	SPECIATE 3.2	ISOBUTYRLDEHYDE	G

Profile Number	Name	Data Origin	Keyword	Profile Type
1146	Isobutyl Acrylate	SPECIATE 3.2	ISOBUTYL ACETATE	G
1147	Isobutyl Alcohol	SPECIATE 3.2	ISOBUTYL ALCOHOL	G
1148	Isoprene	SPECIATE 3.2	ISOPRENE	G
1149	Methanol	SPECIATE 3.2	METHANOL	G
1150	Methyl Acetate	SPECIATE 3.2	METHYL ACETATE	G
1151	Methyl Acrylate	SPECIATE 3.2	METHYL ACRYLATE	G
1152	Methyl Carbitol	SPECIATE 3.2	METHYL CARBITOL	G
1153	Methyl Cellosolve	SPECIATE 3.2	METHYL CELLOSOLVE	G
1154	Methyl Styrene	SPECIATE 3.2	METHYL STYRENE	G
1155	Methylallene	SPECIATE 3.2	METHYLALLENE	G
1158	Methyl T-Butyl Ether	SPECIATE 3.2	METHYL T-BUTYL ETHER	G
1159	m-Xylene	SPECIATE 3.2	XYLENE	G
1160	Nitrobenzene	SPECIATE 3.2	NITROBENZENE	G
1162	n-Butraldehyde	SPECIATE 3.2	BUTRALDEHYDE	G
1163	n-Decane	SPECIATE 3.2	DECANE	G
1164	n-Dodecane	SPECIATE 3.2	DODECANE	G
1165	o-Xylene	SPECIATE 3.2	XYLENE	G
1166	Pentadecane	SPECIATE 3.2	PENTADECANE	G
1167	Residential Wood Combustion	SPECIATE 3.2	RESIDENTIAL; WOOD COMBUSTION	G
1168	Piperylene	SPECIATE 3.2	PIPERYLENE	G
1171	Propionaldehyde	SPECIATE 3.2	PROPIONALDEHYDE	G
1172	Propionic Acid	SPECIATE 3.2	PROPIONIC ACID	G
1173	Propylene Oxide	SPECIATE 3.2	PROPYLENE OXIDE	G
1174	p-Xylene	SPECIATE 3.2	XYLENE	G
1175	Tert- Butyl Alcohol	SPECIATE 3.2	BUTYL ALCOHOL	G
1176	Toluene Diisocyanate	SPECIATE 3.2	TOLUENE DIISOCYANATE	G
1178	Coal-Fired Boiler - Electric Generation	SPECIATE 3.2	BOILER; ELECTRIC GENERATION; UTILITY; COAL COMBUSTION	G
1185	Coal-Fired Boiler - Industrial	SPECIATE 3.2	BOILER; INDUSTRIAL; COAL COMBUSTION	G
1186	Heavy Duty Gasoline Trucks	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	G
1187	Citrus Coating	SPECIATE 3.2	CITRUS COATING; COATING	G
1188	Fermentation Processes	SPECIATE 3.2	FERMENTATION	G
1189	Pulp and Paper Industry - Plywood Veneer Dryer	SPECIATE 3.2	PULP AND PAPER; PLYWOOD; INDUSTRIAL	G
1190	Gasoline Marketed - Summer Blend - 1984	SPECIATE 3.2	GASOLINE; GASOLINE MARKETING	G
1191	Graphic Arts - (Printing)	SPECIATE 3.2	GRAPHIC ARTS; PRINTING	G
1192	Degreasing	SPECIATE 3.2	DEGREASING	G
1193	Dry cleaning	SPECIATE 3.2	DRYCLEANING	G
1194	Autobody Repair	SPECIATE 3.2	AUTOBODY REPAIR; COATING	G
1195	Degreasing - Composite	SPECIATE 3.2	DEGREASING	G
1196	Drycleaning - Composite	SPECIATE 3.2	DRYCLEANING	G
1197	Isooctane	SPECIATE 3.2	ISOOCTANE	G
1198	Pentane	SPECIATE 3.2	PENTANE	G
1199	Isopentane	SPECIATE 3.2	ISOPENTANE	G
1200	Cyclopentane	SPECIATE 3.2	CYCLOPENTANE	G
1201	Light-Duty Diesel Vehicles	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES	G
1202	Primary Aluminum Production	SPECIATE 3.2	ALUMINUM; PRIMARY ALUMINUM; METALLURGICAL PROCESS	G
1203	Light-Duty Gasoline Vehicles - Exhaust	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	G

Profile Number	Name	Data Origin	Keyword	Profile Type
1204	Light-Duty Gasoline Vehicles - Evaporative	SPECIATE 3.2	GASOLINE; VEHICLES; GASOLINE EVAPORATIVE	G
1205	Crude Oil Production - Well Heads (Water Flood)	SPECIATE 3.2	INDUSTRIAL; CRUDE OIL; PETROLEUM INDUSTRY	G
1206	Crude Oil Production - Well Heads (Water Flood)	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
1207	Well Heads (Water Flood) Composite	SPECIATE 3.2	PETROLEUM INDUSTRY; CRUDE OIL; INDUSTRIAL	G
1208	Crude Oil Production - Gathering Tanks	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
1209	Oilfield Pipeline Tanks	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
1210	Pipeline Terminal Tanks	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
1211	Refinery Crude Oil Storage Tanks	SPECIATE 3.2	REFINERY; CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
1212	Crude Oil Production - Well Heads (Gas Drive)	SPECIATE 3.2	INDUSTRIAL; CRUDE OIL; PETROLEUM INDUSTRY	G
1213	Composite of 6 Engines Burning JP-4 Fuel at 100 % Power	SPECIATE 3.2	JET FUEL; JP-4; AIRCRAFT	G
1214	Composite of 6 Engines Burning JP-4 Fuel at 75 % Power	SPECIATE 3.2	AIRCRAFT; JET FUEL; JP-4	G
1215	Composite of 6 Engines Burning JP-4 Fuel at 30 % Power	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	G
1216	Composite of 6 Engines Burning JP-4 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	G
1217	Composite of 6 Engines Burning JP-4 Fuel at Idle Power	SPECIATE 3.2	JET FUEL; JP-4; AIRCRAFT	G
1218	Composite - TF-39 Engine Burning JP-5 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-5	G
1219	Composite - CTM-56 Engine Burning JP-5 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-5	G
1220	Composite - J79 Engine Burning JP-4 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	G
1221	Composite - TF33-P3 Engine Burning JP-4 Fuel Across Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	G
1222	Composite - TF33-P7 Engine Burning JP-4 Fuel Across Power	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	G
1223	Composite - J79 Engine Burning JP-4 Fuel Across Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	G
1224	Composite - CFM-56 Engine Burning 3 Fuels at Idle Power	SPECIATE 3.2	JET FUEL; AIRCRAFT	G
1225	Composite - TF-39 Engine Burning 3 Fuels at Idle Power	SPECIATE 3.2	JET FUEL; AIRCRAFT	G
1226	Composite - CFM-56 Engine Burning 3 Fuels Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT	G
1227	Composite - TF-39 Engine Burning 3 Fuels Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT	G
1301	10% Ethanol Composite (Hot Soak + Diurnal) Evaporative	SPECIATE 3.2	ETHANOL; GASOLINE; ETHANOL GASOLINE; VEHICLES; GASOLINE EVAPORATIVE	G
1302	10% Ethanol Diurnal	SPECIATE 3.2	ETHANOL; GASOLINE; ETHANOL GASOLINE; VEHICLES; DIURNAL	G
1303	10% Ethanol Hot Soak	SPECIATE 3.2	ETHANOL; GASOLINE; HOT SOAK; ETHANOL GASOLINE; VEHICLES	G
1304	10% Ethanol Running Loss	SPECIATE 3.2	ETHANOL; GASOLINE; ETHANOL GASOLINE; RUNNING LOSS; VEHICLES	G
1305	Industry Average (circa 1990) Gasoline Composite (Hot Soak + Diurnal) Evaporative	SPECIATE 3.2	GASOLINE; VEHICLES; GASOLINE EVAPORATIVE; HOT SOAK; DIURNAL	G
1306	Industry Average (circa 1990) Gasoline Diurnal	SPECIATE 3.2	GASOLINE; VEHICLES; DIURNAL	G
1307	Industry Average (circa 1990) Gasoline Hot Soak	SPECIATE 3.2	HOT SOAK; VEHICLES; GASOLINE	G
1308	Industry Average (circa 1990) Gasoline Running Loss	SPECIATE 3.2	VEHICLES; GASOLINE; RUNNING LOSS	G
1309	11% MTBE Composite (Hot Soak + Diurnal) Evaporative	SPECIATE 3.2	MTBE GASOLINE; VEHICLES; GASOLINE; MTBE; GASOLINE EVAPORATIVE	G
1310	11% MTBE Diurnal	SPECIATE 3.2	MTBE GASOLINE; DIURNAL; GASOLINE; VEHICLES; MTBE	G
1311	11% MTBE Hot Soak	SPECIATE 3.2	MTBE GASOLINE; HOT SOAK; VEHICLES; GASOLINE; MTBE	G
1312	11% MTBE Running Loss	SPECIATE 3.2	MTBE GASOLINE; RUNNING LOSS; VEHICLES; MTBE	G
1313	Industry Average (circa 1990) Gasoline Exhaust	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
1314	10% Ethanol Exhaust	SPECIATE 3.2	ETHANOL; ETHANOL GASOLINE; VEHICLES; GASOLINE COMBUSTION	G
1315	11% MTBE Exhaust	SPECIATE 3.2	MTBE GASOLINE; GASOLINE; VEHICLES; MTBE	G
2401	Architectural Surface Coating	SPECIATE 3.2	ARCHITECTURAL COATING; COATING	G
2402	Auto Refinishing	SPECIATE 3.2	AUTOMOBILE REFINISHING; COATING	G
2403	Traffic Markings	SPECIATE 3.2	TRAFFIC PAINT; COATING	G
2404	Flat Wood Coating	SPECIATE 3.2	COATING	G
2405	Wood Furniture Coating	SPECIATE 3.2	COATING	G
2406	Metal Furniture Coating	SPECIATE 3.2	COATING	G
2407	Paper, Foil, Film Coating	SPECIATE 3.2	COATING	G

Profile Number	Name	Data Origin	Keyword	Profile Type
2408	Can Coating	SPECIATE 3.2	COATING	G
2409	Coil Coating	SPECIATE 3.2	COATING	G
2410	Electrical Insulation Coating	SPECIATE 3.2	COATING	G
2411	Appliances Coating	SPECIATE 3.2	COATING	G
2412	Machinery Coating	SPECIATE 3.2	COATING	G
2413	New Motor Vehicles Coating	SPECIATE 3.2	COATING	G
2414	Aircraft Coating	SPECIATE 3.2	COATING	G
2415	Marine Paints	SPECIATE 3.2	MARINE PAINT; PAINT; COATING	G
2416	Rail Equipment Coating	SPECIATE 3.2	COATING	G
2417	Misc. Manufacturing Coatings	SPECIATE 3.2	COATING	G
2418	Industrial Maintenance Coatings	SPECIATE 3.2	COATING	G
2419	Aerosols, Special Purpose	SPECIATE 3.2	COATING	G
2420	Degreasing - All Processes/All Industries	SPECIATE 3.2	DEGREASING	G
2421	Coin-op Drycleaners/All Solvents	SPECIATE 3.2	DRYCLEANING	G
2422	Commercial/Industrial Dry Cleaners	SPECIATE 3.2	DRYCLEANING	G
2423	Industrial Adhesives	SPECIATE 3.2	ADHESIVE	G
2424	Graphic Arts Coatings	SPECIATE 3.2	GRAPHIC ARTS; COATING	G
2425	Surface Coatings - General	SPECIATE 3.2	COATING	G
2431	Clear Wood Finishes - 1996	SPECIATE 3.2	COATING	G
2432	Graphic Arts Coatings - 1996	SPECIATE 3.2	GRAPHIC ARTS; COATING	G
2433	Solvent-based Industrial Maintenance Coatings - 1996	SPECIATE 3.2	COATING	G
2434	Solvent-based Medium Gloss/High Gloss - 1996	SPECIATE 3.2	COATING	G
2435	Quick-dry Primers and Enamels - 1996	SPECIATE 3.2	COATING; PRIMER; ENAMEL	G
2436	Solvent-based Primers and Sealers - 1996	SPECIATE 3.2	PRIMER; SEALER; COATING	G
2437	Semi-transparent Stains - 1996	SPECIATE 3.2	STAIN; COATING	G
2438	Traffic Paint - 1996	SPECIATE 3.2	TRAFFIC PAINT; PAINT; COATING	G
2439	Thinning Solvent - 1996	SPECIATE 3.2	SOLVENT	G
2440	Varnishes - 1996	SPECIATE 3.2	VARNISH; COATING	G
2441	Commercial Natural Gas from Los Angeles - 1972/1973	SPECIATE 3.2	NATURAL GAS	G
2442	Natural gas, Juarez - 1996	SPECIATE 3.2	NATURAL GAS	G
2443	Geogenic Natural Gas from Los Angeles, 1972/1973	SPECIATE 3.2	NATURAL GAS; GEOGENIC	G
2444	LPG from Super Energy Propane & Westex Conversion - 1996	SPECIATE 3.2	LPG	G
2445	LPG from Servigas & Commercial de Juarez - 1996	SPECIATE 3.2	LPG	G
2446	Composite Gasoline Liquid from Boston, Summer 1995 Fed Phase 1 RFG	SPECIATE 3.2	GASOLINE; PHASE 1 RFG; GASOLINE LIQUID	G
2447	Composite Gasoline Liquid from Los Angeles, Summer 1995 Fed Phase 1 RFG	SPECIATE 3.2	GASOLINE; PHASE 1 RFG; GASOLINE LIQUID	G
2448	Composite Gasoline Liquid, El Paso - 1996	SPECIATE 3.2	GASOLINE; GASOLINE LIQUID	G
2449	Composite Liquid Gasoline Seattle (5 brands, 3 grades), Conventional - 1997	SPECIATE 3.2	GASOLINE; GASOLINE LIQUID	G
2450	Composite Gasoline Vapor from Boston, Summer 1995, Fed Phase 1 RFG	SPECIATE 3.2	GASOLINE VAPOR; PHASE 1 RFG; GASOLINE	G
2451	Gasoline Vapor, Hot-Soak, Downwind Sample from the Astrodome - 1996	SPECIATE 3.2	GASOLINE VAPOR; GASOLINE; HOT SOAK	G
2452	Gasoline Vapor, Hot-Soak, Downwind-Upwind Sample from the Astrodome - 1996	SPECIATE 3.2	GASOLINE; GASOLINE VAPOR; HOT SOAK	G
2453	Composite of 14 Gasoline Headspace Vapor Samples - 1996	SPECIATE 3.2	GASOLINE HEADSPACE; GASOLINE; GASOLINE VAPOR	G
2454	Composite Gasoline Vapor from Los Angeles, Summer 1995	SPECIATE 3.2	GASOLINE; GASOLINE VAPOR	G
2455	Composite Gasoline Vapor from Seattle (5 brands, 3 grades) - 1997	SPECIATE 3.2	GASOLINE VAPOR; GASOLINE	G
2456	Composite of 5 Emission Profiles from Miscellaneous Industrial Plants	SPECIATE 3.2	INDUSTRIAL	G
2457	Composite of 10 Emission Profiles - Misc. Chemical and Refining Plants in Houston - 1993	SPECIATE 3.2	CHEMICAL MANUFACTURING; REFINERY; INDUSTRIAL	G
2458	Refinery - Chevron FCC - August 6-17, 1996	SPECIATE 3.2	REFINERY; INDUSTRIAL	G

Profile Number	Name	Data Origin	Keyword	Profile Type
2459	Refinery - Chevron South - August 6-17, 1996	SPECIATE 3.2	REFINERY; INDUSTRIAL	G
2460	Refinery - Chevron TankFarm (Evaporative) - August 6-17, 1996	SPECIATE 3.2	REFINERY; INDUSTRIAL	G
2461	Composite of 6 Emission Profiles from Ethylene Production Facilities	SPECIATE 3.2	ETHYLENE; CHEMICAL MANUFACTURING	G
2462	Composite of 3 Fugitive Emission Profiles from Chemical Mfg. Facilities	SPECIATE 3.2	CHEMICAL MANUFACTURING	G
2463	Miscellaneous Industrial Emission Profile - Delmex - August 6-17, 1996	SPECIATE 3.2	INDUSTRIAL	G
2464	Industrial Point Source, Amerada Hess, Principle Business: Special Warehousing - 1993	SPECIATE 3.2	INDUSTRIAL	G
2465	Industrial Point Source, Lyondell Citgo Refining, Principle Business: Petroleum Refining - 1993	SPECIATE 3.2	INDUSTRIAL; REFINERY; PETROLEUM INDUSTRY	G
2466	Industrial Point Source, Fabricated Metal Products - 1993	SPECIATE 3.2	INDUSTRIAL; FABRICATED METAL	G
2467	Industrial Point Source, Phibro Energy, Principle Business: Petroleum Refining - 1993	SPECIATE 3.2	INDUSTRIAL; REFINERY; PETROLEUM INDUSTRY	G
2468	Industrial Point Source, Crown Central Petroleum, Principle Business: Bulk Fuel Storage - 1993	SPECIATE 3.2	INDUSTRIAL; REFINERY; PETROLEUM INDUSTRY	G
2469	Industrial Point Source, Miles Incorporated, Principle Business: Synthetic Rubber - 1993	SPECIATE 3.2	INDUSTRIAL; SYNTHETIC RUBBER	G
2470	Industrial Point Source, Albermarle, Principle Business: Industrial Organic Chemicals - 1993	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	G
2471	Industrial Point Source, GATX Terminals, Principle Business: Bulk Storage Terminals - 1993	SPECIATE 3.2	INDUSTRIAL	G
2472	Industrial Point Source, GATX Terminals, Principle Business: Bulk Storage Terminals - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2473	Industrial Point Source, Chevron, Principle Business: Bulk Fuel Storage - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2474	Industrial Point Source, Texas Petrochem, Principle Business: Organic Chemical Synthesis - 1993	SPECIATE 3.2	CHEMICAL MANUFACTURING; INDUSTRIAL; PETROLEUM INDUSTRY	G
2475	Industrial Point Source, Phillips Pipeline, Principle Business: Bulk Fuel Storage - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2476	Industrial Point Source, Phillips Chemical Company, Principle Business: K-Resin Production - 1993	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	G
2477	Industrial Point Source, South Coast Terminals, Principle Business: Petrochemical - 1993	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	G
2478	Industrial Point Source, Warren Petroleum, Principle Business: Bulk Storage Terminal - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2479	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Amoco - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2480	Industrial Cluster, Ship Channel, Downwind Sample - 1993	SPECIATE 3.2	INDUSTRIAL	G
2481	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Shell - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2482	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Texaco - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2483	Industrial Cluster, Texaco, Downwind-Upwind Sample - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2484	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Union Carbide - 1993	SPECIATE 3.2	INDUSTRIAL	G
2485	Composite of 21 Fugitive Emission Profiles from Petroleum Industry Facilities - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2486	Composite of 5 Fugitive Emission Profiles from Petroleum Marketing - 1993	SPECIATE 3.2	INDUSTRIAL; GASOLINE MARKETING; PETROLEUM INDUSTRY	G
2487	Composite of 7 Emission Profiles from Crude Oil Storage Tanks - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	G
2488	Composite of 9 Emission Profiles from Distillate Oil Storage Tanks. - 1993	SPECIATE 3.2	DISTILLATE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	G
2489	Composite of 15 Fugitive Emission Profiles from Petroleum Storage Facilities - 1993	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRIAL	G
2490	Composite of 14 Emission Profiles from Gasoline Storage Tanks - 1993	SPECIATE 3.2	GASOLINE; PETROLEUM INDUSTRY; INDUSTRIAL	G
2491	Vehicle Exhaust - Current Fleet (1989) FTP Composite, Conventional Fuel	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2492	Vehicle Exhaust - Current Fleet (1989) Cold Start	SPECIATE 3.2	VEHICLES; COLD START; VEHICLE FUEL COMBUSTION	G
2493	Vehicle - Current Fleet (1989) Diurnal Evaporative	SPECIATE 3.2	VEHICLES; DIURNAL; GASOLINE EVAPORATIVE; GASOLINE	G
2494	Vehicle Exhaust - Current Fleet (1989) Hot Start	SPECIATE 3.2	HOT START; VEHICLES; VEHICLE FUEL COMBUSTION	G
2495	Vehicle - Current Fleet (1989) Hot Soak Evaporative	SPECIATE 3.2	VEHICLES; HOT SOAK; GASOLINE EVAPORATIVE; GASOLINE	G

Profile Number	Name	Data Origin	Keyword	Profile Type
2496	Vehicle Exhaust - Current Fleet (1989) Running Loss	SPECIATE 3.2	VEHICLES; RUNNING LOSS; VEHICLE FUEL COMBUSTION	G
2497	Vehicle Exhaust - Current Fleet (1989) Hot Stabilized	SPECIATE 3.2	HOT STABILIZED; VEHICLES; VEHICLE FUEL COMBUSTION	G
2498	Vehicle Exhaust - Older Fleet (1983-1985) FTP Composite	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2499	Vehicle Exhaust - Older Fleet (1983-1985) Cold Start	SPECIATE 3.2	COLD START; VEHICLES; VEHICLE FUEL COMBUSTION	G
2500	Vehicle - Older Fleet (1983-1985) Diurnal Evaporative	SPECIATE 3.2	VEHICLES; DIURNAL; GASOLINE EVAPORATIVE; GASOLINE	G
2501	Vehicle Exhaust - Older Fleet (1983-1985) Hot Start	SPECIATE 3.2	VEHICLES; HOT START; VEHICLE FUEL COMBUSTION	G
2502	Vehicle - Older Fleet (1983-1985) Hot Soak Evaporative	SPECIATE 3.2	VEHICLES; HOT SOAK; GASOLINE EVAPORATIVE; GASOLINE	G
2503	Vehicle Exhaust - Older Fleet (1983-1985) Running Loss	SPECIATE 3.2	VEHICLES; RUNNING LOSS; VEHICLE FUEL COMBUSTION	G
2504	Vehicle Exhaust - Older Fleet (1983-1985) Hot Stabilized	SPECIATE 3.2	VEHICLES; HOT STABILIZED; VEHICLE FUEL COMBUSTION	G
2505	Vehicle Exhaust - Tip O'Neill Garage (Boston) Cold Start - Sept.12-13, 1995	SPECIATE 3.2	VEHICLES; TIP O'NEILL GARAGE; COLD START; VEHICLE FUEL COMBUSTION	G
2506	Vehicle Exhaust - Cold-Start, Downwind Sample from the Astrodome - 1993	SPECIATE 3.2	VEHICLES; COLD START; ASTRODOME; VEHICLE FUEL COMBUSTION	G
2507	Vehicle Exhaust - Astrodome, Cold Start, Downwind-upwind.- 1993	SPECIATE 3.2	VEHICLES; COLD START; ASTRODOME; VEHICLE FUEL COMBUSTION	G
2508	Vehicle Exhaust - Juarez rush hour traffic - 1996	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2509	Vehicle Exhaust - Juarez propane bus - adjusted for Juarez traffic - 1996	SPECIATE 3.2	VEHICLES; PROPANE COMBUSTION	G
2510	Vehicle Exhaust - 100% high emitters - Orange County, CA	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2511	Vehicle Exhaust - 100% low emitters - Orange County, CA	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2512	Vehicle Exhaust - Callahan Tunnel - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	G
2513	Vehicle Exhaust - Callahan Tunnel Diesel Exhaust Subtracted - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	G
2514	Vehicle Exhaust - Callahan Tunnel Diesel and Minimum Running Loss Subtracted - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	G
2515	Vehicle Exhaust - Callahan Tunnel Diesel and Maximum Running Loss Subtracted - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	G
2516	Vehicle Exhaust - Lincoln Tunnel - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	G
2517	Vehicle Exhaust - Lincoln Tunnel Diesel Exhaust Subtracted - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	G
2518	Vehicle Exhaust - Lincoln Tunnel Diesel and Minimum Running Loss Subtracted - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	G
2519	Vehicle Exhaust - Lincoln Tunnel Diesel and Maximum Running Loss Subtracted - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	G
2520	Vehicle Exhaust - Tuscarora Tunnel Diesel - 1995	SPECIATE 3.2	VEHICLES; TUSCARORA TUNNEL; DIESEL COMBUSTION	G
2521	Vehicle Exhaust - Tuscarora Tunnel Light Duty Gasoline - 1995	SPECIATE 3.2	VEHICLES; TUSCARORA TUNNEL; GASOLINE COMBUSTION	G
2522	Vehicle Exhaust - Sepulveda Tunnel - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	G
2523	Vehicle Exhaust - Sepulveda Tunnel Diesel Exhaust Subtracted - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	G
2524	Vehicle Exhaust - Sepulveda Tunnel Diesel and Minimum Running Loss Subtracted - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	G
2525	Vehicle Exhaust - Sepulveda Tunnel Diesel and Maximum Running Loss Subtracted - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	G
2526	Vehicle Exhaust - Fort McHenry Tunnel Diesel - 1995	SPECIATE 3.2	VEHICLES; FORT MCHENRY TUNNEL; DIESEL COMBUSTION	G
2527	Vehicle Exhaust - Fort McHenry Tunnel Light-Duty Gasoline - 1995	SPECIATE 3.2	VEHICLES; FORT MCHENRY TUNNEL; GASOLINE COMBUSTION	G
2528	Vehicle Exhaust - Van Nuys Tunnel - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	G
2529	Vehicle Exhaust - Van Nuys Tunnel, Diesel Exhaust Subtracted - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	G
2530	Vehicle Exhaust - Van Nuys Tunnel, Diesel and Minimum Running Loss Subtracted - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	G
2531	Vehicle Exhaust - Van Nuys Tunnel, Diesel and Maximum Running Loss Subtracted - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	G
2532	Vehicle Exhaust - Mt. Baker Tunnel Emissions, Downwind Exhaust - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	G
2533	Vehicle Exhaust - Mt. Baker Tunnel Emissions with Diesel Contributions Removed - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	G

Profile Number	Name	Data Origin	Keyword	Profile Type
2534	Vehicle Exhaust - Mt. Baker Tunnel Emissions with Diesel and 5~10% of Running Loss Contributions Removed - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	G
2535	Vehicle Exhaust - Mt. Baker Tunnel emissions with Diesel and 15~30% of Running Loss Contributions Removed - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	G
2536	Vehicle Exhaust - Baytown Tunnel, Warm Running, Downwind Sample - 1993	SPECIATE 3.2	VEHICLES; BAYTOWN TUNNEL; VEHICLE FUEL COMBUSTION	G
2537	Vehicle Exhaust - Composite of 4 Westheimer Profiles, Warm Running, Downwind Sample - 1993	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2538	Vehicle Exhaust - Composite of 2 Westheimer Profiles, Warm Running, Downwind-Upwind - 1993	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	G
2539	Vehicle Exhaust - Ambient Roadside Monitoring: Kanagawa Prefecture, Japan	SPECIATE 3.2	VEHICLES; ROADSIDE	G
2540	Vehicle Emissions: Roadway: Busy Intersection	SPECIATE 3.2	VEHICLES; ROADSIDE	G
2541	Wastewater Treatment Plants - New Jersey	SPECIATE 3.2	WASTEWATER TREATMENT	G
2542	Wastewater Treatment Plants - Cincinnati Area	SPECIATE 3.2	WASTEWATER TREATMENT	G
2543	Graphic Arts - Lithography	SPECIATE 3.2	GRAPHIC ARTS; LITHOGRAPHY	G
2544	Graphic Arts - Letterpress	SPECIATE 3.2	GRAPHIC ARTS; LETTERPRESS	G
2545	Graphic Arts - Rotogravure	SPECIATE 3.2	GRAPHIC ARTS; ROTOGRAVURE	G
2546	Automotive Painting - Downwind Ground Based Compositions	SPECIATE 3.2	VEHICLES; COATING	G
2547	Polyethylene Plant: Kawasaki City	SPECIATE 3.2	POLYETHYLENE; CHEMICAL MANUFACTURING	G
2548	Vapor Degreasing - Based on 1985 Chlorinated Solvent Consumption Estimate	SPECIATE 3.2	VAPOR DEGREASING; DEGREASING; CHLORINATED SOLVENT	G
2549	Offset Printing - Plant A, Press/Plate Making Rooms, Air Return	SPECIATE 3.2	OFFSET PRINTING; PRINTING; PRESS/PLATE MAKING	G
2550	Offset Printing - Plant A, Press/Plate Making Rooms, Average of Six Sites	SPECIATE 3.2	OFFSET PRINTING; PRINTING; PRESS/PLATE MAKING	G
2551	Offset Printing - Plant A, Six-Color Press Air Return	SPECIATE 3.2	OFFSET PRINTING; PRINTING; SIX-COLOR PRESS	G
2552	Offset Printing - Plant B, Average of all rooms	SPECIATE 3.2	OFFSET PRINTING; PRINTING	G
2553	Offset Printing - Plant C, Room Composition	SPECIATE 3.2	OFFSET PRINTING; PRINTING	G
2554	Petroleum Refineries - Outside Operators: Summertime, Personal Exposure	SPECIATE 3.2	PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	G
2555	Japanese Refinery - Kawasaki City	SPECIATE 3.2	REFINERY; INDUSTRIAL	G
2556	Headspace Profile - Regular Gasoline - Chicago: Summer 1989	SPECIATE 3.2	GASOLINE; GASOLINE HEADSPACE; GASOLINE - REGULAR; GASOLINE VAPOR	G
2557	Headspace Profile - Mid-grade Gasoline - Chicago: Summer 1989	SPECIATE 3.2	GASOLINE VAPOR; GASOLINE - MID GRADE; GASOLINE; GASOLINE HEADSPACE	G
2558	Headspace Profile - Premium Gasoline - Chicago: Summer 1989	SPECIATE 3.2	GASOLINE HEADSPACE; GASOLINE - PREMIUM; GASOLINE; GASOLINE VAPOR	G
2559	Refueling Profile - Summer 1989 Sales of Gasoline in Chicago	SPECIATE 3.2	REFUELING; GASOLINE; GASOLINE - SUMMER	G
2560	Refueling Profile - Regular Summer Blend - Atlanta, 1990	SPECIATE 3.2	REFUELING; GASOLINE - REGULAR; GASOLINE; GASOLINE - SUMMER	G
2561	Refueling Profile - Regular Summer Blend - Chicago, 1990	SPECIATE 3.2	REFUELING; GASOLINE - REGULAR; GASOLINE; GASOLINE - SUMMER	G
2562	Roadway - Vehicle Exhaust Emissions - Chicago, March, 1990	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION; ROADSIDE	G
2563	Roadway - Vehicle Exhaust Emissions - Raleigh	SPECIATE 3.2	VEHICLES; ROADSIDE; VEHICLE FUEL COMBUSTION	G
2564	Roadway - Vehicle Exhaust Emissions - Atlanta, 1990	SPECIATE 3.2	VEHICLES; ROADSIDE; VEHICLE FUEL COMBUSTION	G
2565	Vehicle Cold Start (adjusted for background) - Chicago, March 1990	SPECIATE 3.2	VEHICLES; COLD START; VEHICLE FUEL COMBUSTION	G
2566	Vehicle Hot Soak (adjusted for background) - Chicago, March 1990	SPECIATE 3.2	VEHICLES; HOT SOAK	G
2567	Vehicle Hot Soak - Atlanta, 1990	SPECIATE 3.2	VEHICLES; HOT SOAK	G
2568	Refinery - Romeoville, Ill, 1990	SPECIATE 3.2	REFINERY; INDUSTRIAL; PETROLEUM INDUSTRY	G
2569	Coke Oven - Chicago, Ill, 1992	SPECIATE 3.2	COKE	G
2570	Graphic Arts - Composite of Lithography, Rotogravure, Letterpress and Flexography	SPECIATE 3.2	GRAPHIC ARTS; LITHOGRAPHY; ROTOGRAVURE; LETTERPRESS; FLEXOGRAPHIC	G
2571	Airport - Atlanta - August 27, 1990	SPECIATE 3.2	AIRPORT	G
2572	Aircraft - Atlanta - August 27, 1990	SPECIATE 3.2	AIRCRAFT	G
3001	Pesticides	CARB	Pesticides	G
3002	Landfills	CARB	Landfill Gas	G
3003	Wastewater Treatment Plants	CARB	POTW; Wastewater Treatment Plant	G

Profile Number	Name	Data Origin	Keyword	Profile Type
3004	Consumer Products: Arts And Crafts Adhesives	CARB	Consumer Products; Adhesives; Arts and Crafts	G
3005	Consumer Products: Automotive Adhesives	CARB	Consumer Products; Adhesives; Automotive	G
3006	Consumer Products: Carpet And Tile Adhesives	CARB	Consumer Products; Adhesives; Carpet and Tile	G
3007	Consumer Products: Construction And Panel Adhesives	CARB	Consumer Products; Adhesives; Construction and Panel	G
3008	Consumer Products: Contact Adhesive	CARB	Consumer Products; Adhesives	G
3009	Consumer Products: General Purpose Cleaners Adhesive	CARB	Consumer Products; Adhesives	G
3010	Consumer Products: Aerosol Adhesive (Including Industrial)	CARB	Consumer Products	G
3011	Consumer Products: Pipe Cements And Primers	CARB	Consumer Products; Pipe Cements and Primers	G
3012	Consumer Products: Woodworking Glues	CARB	Consumer Products; Glues	G
3013	Consumer Products: Sealants & Caulking Compounds	CARB	Consumer Products; Sealants and Caulking Compounds	G
3014	Consumer Products: Wood Fillers	CARB	Consumer Products; Wood Fillers	G
3015	Consumer Products: Bug And Tar Removers	CARB	Consumer Products; Bug and Tar Removers	G
3016	Consumer Products: Auto Carpet And Upholstery Cleaners - Aerosols	CARB	Consumer Products; Cleaners; Auto Carpet and Upholstery	G
3017	Consumer Products: Auto Carpet And Upholstery Cleaners - Non-Aerosols	CARB	Consumer Products; Cleaners; Auto Carpet and Upholstery	G
3018	Consumer Products: Automotive Hard Paste Waxes	CARB	Consumer Products; Automotive; Waxes	G
3019	Consumer Products: Automotive Instant Detailers	CARB	Consumer Products; Automotive	G
3020	Consumer Products: Automotive Waxes/Polishes/Sealants/Glazes	CARB	Consumer Products; Automotive Waxes; Polishes; Sealants; Glazes	G
3021	Consumer Products: Rubber And Vinyl Protectants - Aerosols	CARB	Consumer Products; Rubber and Vinyl Protectants	G
3022	Consumer Products: Rubber And Vinyl Protectants - Non-Aerosols	CARB	Consumer Products; Rubber and Vinyl Protectants	G
3023	Consumer Products: Automotive Rubbing Or Polishing Compounds	CARB	Consumer Products; Automotive; Rubbing; Polishing	G
3024	Consumer Products: Tire Cleaners	CARB	Consumer Products; Cleaners; Tire	G
3025	Consumer Products: Vinyl and Leather Cleaners	CARB	Consumer Products; Cleaners; Vinyl and Leather	G
3026	Consumer Products: Wheel Cleaners	CARB	Consumer Products; Cleaners; Wheel	G
3027	Consumer Products: Battery Cleaners	CARB	Consumer Products; Cleaners; Battery	G
3028	Consumer Products: Automotive Brake Cleaners	CARB	Consumer Products; Cleaners; Brake	G
3029	Consumer Products: Carburetor Or Fuel-Injection Air Intake Cleaners	CARB	Consumer Products; Cleaners; Air Intake	G
3030	Consumer Products: Engine Degreasers - Aerosols	CARB	Consumer Products; Engine Degreasers	G
3031	Consumer Products: Engine Degreasers - Non-Aerosols	CARB	Consumer Products; Engine Degreasers	G
3032	Consumer Products: Solvent Parts Cleaner - Aerosols	CARB	Consumer Products; Cleaner	G
3033	Consumer Products: Solvent Parts Cleaner - Non-Aerosols	CARB	Consumer Products; Cleaner	G
3034	Consumer Products: Tire Sealants And Inflators	CARB	Consumer Products; Automotive; Tire Sealants and Inflators	G
3035	Consumer Products: Automotive Undercoatings - Aerosols	CARB	Consumer Products; Automotive; Undercoatings	G
3036	Consumer Products: Automotive Undercoatings - Non-Aerosols	CARB	Consumer Products; Automotive; Undercoatings	G
3037	Consumer Products: Automotive Windshield Washer Fluids	CARB	Consumer Products; Automotive; Windshield Washer Fluids	G
3038	Consumer Products: Graffiti Removers	CARB	Consumer Products; Graffiti Removers	G
3039	Consumer Products: Paint Removers Or Strippers	CARB	Consumer Products; Paint Removers	G
3040	Consumer Products: Multipurpose Solvents	CARB	Consumer Products; Solvents	G
3041	Consumer Products: Electronic Cleaner	CARB	Consumer Products; Cleaner; Electronics	G
3042	Consumer Products: Adhesive Remover	CARB	Consumer Products; Adhesive Remover	G
3043	Consumer Products: Disinfectants	CARB	Consumer Products; Disinfectants	G
3044	Consumer Products: Sanitizers	CARB	Consumer Products; Sanitizers	G
3045	Consumer Products: Sterilants (not Including Ethylene Oxide)	CARB	Consumer Products; Sterilants	G
3046	Consumer Products: Non-Selective Herbicides/Defoliants	CARB	Consumer Products; Herbicides; Defoliants	G
3047	Consumer Products: Selective Herbicides/Defoliants	CARB	Consumer Products; Herbicides; Defoliants	G
3048	Consumer Products: Flea And Tick Insecticide	CARB	Consumer Products; Insecticide	G
3049	Consumer Products: Flying Insect Insecticide - Aerosols	CARB	Consumer Products; Insecticide	G

Profile Number	Name	Data Origin	Keyword	Profile Type
3050	Consumer Products: Flying Insect Insecticide - Non-Aerosols	CARB	Consumer Products; Insecticide	G
3051	Consumer Products: Wasp and Hornet Insecticide	CARB	Consumer Products; Insecticide	G
3052	Consumer Products: Lawn And Garden Insecticides	CARB	Consumer Products; Insecticide	G
3053	Consumer Products: Crawling Bug Insecticides - Aerosols	CARB	Consumer Products; Insecticide	G
3054	Consumer Products: Crawling Bug Insecticides - Non-Aerosols	CARB	Consumer Products; Insecticide	G
3055	Consumer Products: Insecticide Foggers	CARB	Consumer Products; Insecticide	G
3056	Consumer Products: Insect Repellants - Aerosols	CARB	Consumer Products; Insect Repellants	G
3057	Consumer Products: Insect Repellants - Non-Aerosols	CARB	Consumer Products; Insect Repellants	G
3058	Consumer Products: Fungicides AND Nematicides	CARB	Consumer Products; Fungicides; Nematicides	G
3059	Consumer Products: Household Carpet And Upholstery Cleaners - Aerosols	CARB	Consumer Products; Cleaners; Carpet and Upholstery	G
3060	Consumer Products: Household Carpet And Upholstery Cleaners - Non-Aerosols	CARB	Consumer Products; Cleaners; Carpet and Upholstery	G
3061	Consumer Products: Carpet Deodorizers	CARB	Consumer Products; Carpet Deodorizers	G
3062	Consumer Products: Spot Removers - Aerosols	CARB	Consumer Products; Spot Removers	G
3063	Consumer Products: Spot Removers - Non-Aerosols	CARB	Consumer Products; Spot Removers	G
3064	Consumer Products: Fabric Protectants	CARB	Consumer Products; Fabric Protectants	G
3065	Consumer Products: Floor Wax Strippers	CARB	Consumer Products; Floor Wax Strippers	G
3066	Consumer Products: General Purpose Cleaners - Aerosols	CARB	Consumer Products; Cleaners; Carpet and Upholstery	G
3067	Consumer Products: General Purpose Cleaners - Non-Aerosols	CARB	Consumer Products; Cleaners; Carpet and Upholstery	G
3068	Consumer Products: General Purpose Degreasers - Aerosols	CARB	Consumer Products; Degreasers	G
3069	Consumer Products: General Purpose Degreasers - Non-Aerosols	CARB	Consumer Products; Degreasers	G
3070	Consumer Products: Glass Cleaners - Aerosols	CARB	Consumer Products; Glass Cleaners	G
3071	Consumer Products: Glass Cleaners - Non-Aerosols	CARB	Consumer Products; Glass Cleaners	G
3072	Consumer Products: Metal Polishes/Cleansers	CARB	Consumer Products; Metal Polishes	G
3073	Consumer Products: Oven Cleaners - Aerosols/Pumps	CARB	Consumer Products; Oven Cleaners	G
3074	Consumer Products: Oven Cleaners - Liquid And Other	CARB	Consumer Products; Oven Cleaners	G
3075	Consumer Products: Toilet Bowl Cleaners	CARB	Consumer Products; TOilet Bowl Cleaners	G
3076	Consumer Products: Bathroom And Tile Cleaners - Aerosols	CARB	Consumer Products; Bathroom and Tile Cleaners	G
3077	Consumer Products: Bathroom And Tile Cleaners - Non-Aerosols	CARB	Consumer Products; Bathroom and Tile Cleaners	G
3078	Consumer Products: Laundry Prewash - Aerosols/Solids	CARB	Consumer Products; Laundry	G
3079	Consumer Products: Laundry Prewash - Other Forms	CARB	Consumer Products; Laundry	G
3080	Consumer Products: Laundry Starches, Sizings, Etc.	CARB	Consumer Products; Laundry	G
3081	Consumer Products: Dusting Aids - Aerosols	CARB	Consumer Products; Dusting Aids	G
3082	Consumer Products: Dusting Aids - Non-Aerosols	CARB	Consumer Products; Dusting Aids	G
3083	Consumer Products: Flexible Floor Wax/Polish	CARB	Consumer Products; Floor Wax	G
3084	Consumer Products: Non-Resilient Floor Wax/Polish	CARB	Consumer Products; Floor Wax	G
3085	Consumer Products: Wood Floor Wax/Polish	CARB	Consumer Products; Floor Wax	G
3086	Consumer Products: Furniture Maintenance Products - Aerosols	CARB	Consumer Products; Furniture Maintenance Products	G
3087	Consumer Products: Furniture Maintenance Products - Other Forms	CARB	Consumer Products; Furniture Maintenance Products	G
3088	Consumer Products: Shoe Care Products	CARB	Consumer Products; Shoe Care	G
3089	Consumer Products: Multipurpose Lubricant	CARB	Consumer Products; Lubricant	G
3090	Consumer Products: Silicone Based Multi-Purpose Lubricant	CARB	Consumer Products; Lubricant	G
3091	Consumer Products: Penetrant	CARB	Consumer Products; Lubricant; Penetrant	G
3092	Consumer Products: Specialty Lubricant	CARB	Consumer Products; Lubricant	G
3093	Consumer Products: Single Phase Aerosol Air Fresheners	CARB	Consumer Products; Air Fresheners	G
3094	Consumer Products: Double Phase Aerosol Air Fresheners	CARB	Consumer Products; Air Fresheners	G
3095	Consumer Products: Dual Purpose Air Freshener/Disinfectant	CARB	Consumer Products; Air Fresheners; Disinfectant	G

Profile Number	Name	Data Origin	Keyword	Profile Type
3096	Consumer Products: Liquid/Pump Spray Air Fresheners	CARB	Consumer Products; Air Fresheners	G
3097	Consumer Products: Solid/Gel Air Fresheners	CARB	Consumer Products; Air Fresheners	G
3098	Consumer Products: Charcoal Lighter Materials	CARB	Consumer Products; Charcoal Lighter	G
3099	Consumer Products: Aerosol Cooking Sprays	CARB	Consumer Products; Cooking Sprays	G
3100	Consumer Products: Underarm Antiperspirants - Aerosols	CARB	Consumer Products; Underarm Antiperspirants	G
3101	Consumer Products: Underarm Antiperspirants - Non-Aerosols	CARB	Consumer Products; Underarm Antiperspirants	G
3102	Consumer Products: Underarm Deodorants - Aerosols	CARB	Consumer Products; Deodorants	G
3103	Consumer Products: Underarm Deodorants - Non-Aerosols	CARB	Consumer Products; Deodorants	G
3104	Consumer Products: Astringents/Toners	CARB	Consumer Products; Toners	G
3105	Consumer Products: Hand And Body Lotions	CARB	Consumer Products; Lotions	G
3106	Consumer Products: Personal Fragrance Product (Fragrance <= 20%)	CARB	Consumer Products; Fragrance	G
3107	Consumer Products: Personal Fragrance Product (Fragrance > 20%)	CARB	Consumer Products; Fragrance	G
3108	Consumer Products: Hair Spray	CARB	Consumer Products; Hair Care Products	G
3109	Consumer Products: Hair Mousses	CARB	Consumer Products; Hair Care Products	G
3110	Consumer Products: Hair Shines	CARB	Consumer Products; Hair Care Products	G
3111	Consumer Products: Hair Styling Gels	CARB	Consumer Products; Hair Care Products	G
3112	Consumer Products: Nail Polish	CARB	Consumer Products; Nail Care Products	G
3113	Consumer Products: Nail Base Coats, Undercoats	CARB	Consumer Products; Nail Care Products	G
3114	Consumer Products: Nail Polish Removers	CARB	Consumer Products; Nail Care Products	G
3115	Consumer Products: Rubbing Alcohol	CARB	Consumer Products; Rubbing Alcohol	G
3116	Consumer Products: Shaving Creams	CARB	Consumer Products; Shaving Creams	G
3117	Consumer Products: Shaving Gels	CARB	Consumer Products; Shaving Gels	G
3118	Consumer Products: Foot Powders	CARB	Consumer Products; Foot Care Products	G
3119	Consumer Products: Personal Hygiene Sprays	CARB	Consumer Products; Personal Hygiene Products	G
3120	Consumer Products: Laundry Detergent	CARB	Consumer Products; Detergent; Laundry	G
3121	Consumer Products: Hand Dishwashing Soap	CARB	Consumer Products; Hand Soap	G
3122	Consumer Products: Heavy Duty Hand Cleaner Or Soap	CARB	Consumer Products; Hand Soap	G
3123	Consumer Products: Combined Small Categories	CARB	Consumer Products	G
3124	Aerosol Coatings: Clear Coatings (Unspecified)	CARB	Aerosol Coatings; Clear Coatings	G
3125	Aerosol Coatings: Flat Coatings (Unspecified)	CARB	Aerosol Coatings; Flat Coatings	G
3126	Aerosol Coatings: Fluorescent Coatings	CARB	Aerosol Coatings; Fluorescent Coatings	G
3127	Aerosol Coatings: Metallic Pigmented Coatings	CARB	Aerosol Coatings; Metallic Pigmented Coatings	G
3128	Aerosol Coatings: Non-Flat Coatings (Unspecified)	CARB	Aerosol Coatings; Nonflat Coatings	G
3129	Aerosol Coatings: Primers (Unspecified)	CARB	Aerosol Coatings; Primers	G
3130	Aerosol Coatings: Art Fixatives And Sealants	CARB	Aerosol Coatings; Art Fixatives and Sealants	G
3131	Aerosol Coatings: Auto Body Primers	CARB	Aerosol Coatings; Primers; Auto Body	G
3132	Aerosol Coatings: Auto Bumper And Trim Coatings	CARB	Aerosol Coatings; Auto Bumper	G
3133	Aerosol Coatings: Exact Match Engine Enamel	CARB	Aerosol Coatings; Automotive	G
3134	Aerosol Coatings: Exact Match Automotive Coatings	CARB	Aerosol Coatings; Automotive	G
3135	Aerosol Coatings: Ground/Traffic/Marking Coatings	CARB	Aerosol Coatings; Traffic Marking	G
3136	Aerosol Coatings: High Temperature Coatings	CARB	Aerosol Coatings	G
3137	Aerosol Coatings: Vinyl/Fabric/Leather/Polycarb Coatings	CARB	Aerosol Coatings; Vinyl; Fabric; Leather	G
3138	Aerosol Coatings: Coatings (Unspecified)	CARB	Aerosol Coatings	G
3139	Architectural Coatings: Solvent Borne	CARB	Architectural Coatings	G
3140	Architectural Coatings: Water Borne	CARB	Architectural Coatings	G
3141	Thinning Solvent/Mineral Spirits	CARB	Thinning Solvent/Mineral Spirits	G

Profile Number	Name	Data Origin	Keyword	Profile Type
3142	Consumer Products Composite: Adhesives And Sealants	CARB	Consumer Products; Adhesives and Sealants	G
3143	Consumer Products Composite: Automotive Products	CARB	Consumer Products; Automotive Products	G
3144	Consumer Products Composite: Solvents And Coating Related Products	CARB	Consumer Products; Solvents And Coating Products	G
3145	Consumer Products Composite: Pesticides/FIFRA-Regulated Products	CARB	Consumer Products; Pesticides/FIFRA-Regulated Products	G
3146	Consumer Products Composite: Household Products	CARB	Consumer Products; Household Products	G
3147	Consumer Products Composite: Personal Care Products	CARB	Consumer Products; Personal Care Products	G
3148	Consumer Products Composite: Soaps And Detergent Products	CARB	Consumer Products; Soaps And Detergent Products	G
3149	Aerosol Coatings: Overall Composite	CARB	Aerosol Coatings	G
3150	Gasoline Exhaust - Non-Catalyst- Stabilized	CARB	Motor Vehicle; Gasoline; Non-Catalyst; Stabilized Exhaust	G
3151	Gasoline Exhaust - Non-Catalyst - FTP bag1-3 STARTS	CARB	Motor Vehicle; Gasoline; Non-Catalyst; Starts	G
3152	Liquid Gasoline Composition - 11% MTBE - Commercial Grade	CARB	Liquid Gasoline; MTBE	G
3153	Hot Soak - MTBE Gasoline	CARB	Motor Vehicle; Hot Soak	G
3161	Diesel Exhaust - Farm equipment	CARB	Diesel Exhaust	G
3162	Gasoline Exhaust - Catalyst - FTP Bag 1-3 STARTS	CARB	Motor Vehicle; Gasoline; Catalyst; Starts	G
3163	Gasoline Exhaust - Catalyst - Stabilized	CARB	Motor Vehicle; Gasoline; Catalyst; Stabilized Exhaust	G
3164	Diurnal Resting Evaporative - Gasoline Headspace Vapor	CARB	Motor Vehicle; Gasoline; Diurnal & Resting Evaporatives	G
3165	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3166	Degreasing - Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	G
3167	Degreasing - Hand wiping	CARB	Degreasing	G
3168	Degreasing - Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	G
3169	Degreasing - Hand wiping	CARB	Degreasing	G
3170	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3171	Degreasing - Hand wiping	CARB	Degreasing	G
3172	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3173	Degreasing - Hand wiping	CARB	Degreasing	G
3174	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3175	Degreasing - Hand wiping	CARB	Degreasing	G
3176	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3177	Degreasing - Hand wiping	CARB	Degreasing	G
3178	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3179	Degreasing - Hand wiping	CARB	Degreasing	G
3180	Degreasing - Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	G
3181	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3182	Degreasing - Hand wiping	CARB	Degreasing	G
3183	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3184	Degreasing - Hand wiping	CARB	Degreasing	G
3185	Degreasing - Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
3186	Degreasing - Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	G
3187	Degreasing - Hand wiping	CARB	Degreasing	G
4420	Rice Straw Burning	EPA APPCD	Rice Straw Burning; Agricultural Burning; Prescribed Burning	G
4421	Wheat Straw Burning	EPA APPCD	Wheat Straw Burning; Agricultural Burning; Prescribed Burning	G
4422	Naphtha Solvent	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Aromatic hydrocarbon	G
4423	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4424	Light HC Solvent	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4425	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4426	Lactol Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Lactol Spirits	G
4427	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4428	Aromatic 100	CARB	Aromatic hydrocarbon	G
4429	Aromatic 150	CARB	Aromatic hydrocarbon	G
4430	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Aromatic hydrocarbon	G
4431	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4432	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4433	Aromatic 100	CARB	Aromatic hydrocarbon	G
4434	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4435	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4436	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4437	Aromatic 150	CARB	Aromatic hydrocarbon	G
4438	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4439	Xylene Solvent	CARB	Aromatic hydrocarbon	G
4440	Stoddard Solvent	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4441	Aromatic 100	CARB	Aromatic hydrocarbon	G
4442	Aromatic 150	CARB	Aromatic hydrocarbon	G
4443	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4444	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4445	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4446	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4447	Xylene Solvent	CARB	Aromatic hydrocarbon	G
4448	Naphtha Solvent - Light	CARB	Aromatic hydrocarbon	G
4449	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4450	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Aromatic hydrocarbon	G
4451	Aromatic 100	CARB	Aromatic hydrocarbon	G
4452	Aromatic 150	CARB	Aromatic hydrocarbon	G
4453	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4454	Xylene Solvent	CARB	Aromatic hydrocarbon	G
4455	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4456	Aromatic 100	CARB	Aromatic hydrocarbon	G
4457	Aromatic 150	CARB	Aromatic hydrocarbon	G
4458	Paraffinic Petroleum Distillate	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4459	Xylene Solvent	CARB	Aromatic hydrocarbon	G
4460	Xylene Solvent	CARB	Aromatic hydrocarbon	G
4461	Aromatic 100	CARB	Aromatic hydrocarbon	G
4462	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	G
4469	Gasoline Headspace Vapor - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4470	Gasoline Headspace Vapor - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4471	Gasoline Headspace Vapor - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4472	Gasoline Headspace Vapor - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4473	Gasoline Headspace Vapor - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4474	Gasoline Headspace Vapor - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4475	Gasoline Headspace Vapor - Chevron Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4476	Gasoline Headspace Vapor - Chevron Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4477	Gasoline Headspace Vapor - Chevron Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4478	Gasoline Headspace Vapor - Conoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4479	Gasoline Headspace Vapor - Conoco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4480	Gasoline Headspace Vapor - Conoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4481	Gasoline Headspace Vapor - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4482	Gasoline Headspace Vapor - Shell Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4483	Gasoline Headspace Vapor - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4484	Gasoline Headspace Vapor - Texaco Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4485	Gasoline Headspace Vapor - Texaco Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4486	Gasoline Headspace Vapor - Texaco Regular - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4487	Gasoline Headspace Vapor - Shell Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4488	Gasoline Headspace Vapor - Shell Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4489	Gasoline Headspace Vapor - Shell Regular - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4490	Gasoline Headspace Vapor - Arco Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4491	Gasoline Headspace Vapor - Arco Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4492	Gasoline Headspace Vapor - Arco Regular - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4493	Gasoline Headspace Vapor - Chevron Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4494	Gasoline Headspace Vapor - Chevron Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4495	Gasoline Headspace Vapor - Chevron Regular - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4496	Gasoline Headspace Vapor - 76 Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4497	Gasoline Headspace Vapor - 76 Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4498	Gasoline Headspace Vapor - 76 Regular - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4499	Gasoline Headspace Vapor - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4500	Gasoline Headspace Vapor - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4501	Gasoline Headspace Vapor - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4502	Gasoline Headspace Vapor - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4503	Gasoline Headspace Vapor - Super America Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4504	Gasoline Headspace Vapor - Super America Grade 92 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4505	Gasoline Headspace Vapor - Mobil Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4506	Gasoline Headspace Vapor - Mobil Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4507	Gasoline Headspace Vapor - Clark Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4508	Gasoline Headspace Vapor - Clark Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4509	Gasoline Headspace Vapor - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4510	Gasoline Headspace Vapor - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4511	Gasoline Headspace Vapor - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4512	Gasoline Headspace Vapor - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4513	Gasoline Headspace Vapor - BP Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4514	Gasoline Headspace Vapor - Mapco #1 Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4515	Gasoline Headspace Vapor - Mapco #2 Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4516	Gasoline Headspace Vapor - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4517	Gasoline Headspace Vapor - BP Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4518	Gasoline Headspace Vapor - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4519	Gasoline Headspace Vapor - Mapco #1 Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4520	Gasoline Headspace Vapor - Mapco #2 Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4521	Gasoline Headspace Vapor - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4522	Gasoline Headspace Vapor - BP Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4523	Gasoline Headspace Vapor - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4524	Gasoline Headspace Vapor - Mapco #1 Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4525	Gasoline Headspace Vapor - Mapco #2 Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4526	Gasoline Headspace Vapor - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4527	Gasoline Headspace Vapor - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4528	Gasoline Headspace Vapor - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4529	Gasoline Headspace Vapor - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4530	Gasoline Headspace Vapor - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4531	Gasoline Headspace Vapor - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4532	Gasoline Headspace Vapor - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4533	Gasoline Headspace Vapor - Citgo Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4534	Gasoline Headspace Vapor - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4535	Gasoline - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4536	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4537	Gasoline Headspace Vapor - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4538	Gasoline Headspace Vapor - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4539	Gasoline Headspace Vapor - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4540	Gasoline Headspace Vapor - Circle K Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4541	Gasoline Headspace Vapor - Circle K Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4542	Gasoline Headspace Vapor - Circle K Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4543	Gasoline Headspace Vapor - Circle K Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4544	Gasoline Headspace Vapor - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4545	Gasoline Headspace Vapor - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4546	Gasoline Headspace Vapor - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4547	Gasoline Headspace Vapor - Circle K Diesel - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4548	Gasoline Headspace Vapor - Independent Diesel - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4549	Diesel Headspace Vapor - Super America Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
4550	Diesel Headspace Vapor - Citgo Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
4551	Diesel Headspace Vapor - Shell Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
4552	Diesel Headspace Vapor - Citgo Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
4553	Meat charbroiling	Literature-Schauer	Meat charbroiling; natural gas-fired charbroiler; hamburger charbroiling	G
4555	Liquid Gasoline Composition	Literature-Schauer	Liquid gasoline	G
4556	Gasoline Exhaust - Catalyst	Literature-Schauer	gasoline vehicle exhaust	G
4557	Gasoline Exhaust - Noncatalyst	Literature-Schauer	gasoline vehicle exhaust	G
4560	Gasoline Headspace Vapor - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4561	Gasoline Headspace Vapor - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4562	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4563	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4564	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4565	Gasoline - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4566	Gasoline - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4567	Gasoline - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4568	Gasoline - Chevron Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4569	Gasoline - Chevron Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4570	Gasoline - Chevron Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4571	Gasoline - Conoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4572	Gasoline - Conoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4573	Gasoline - Conoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4574	Gasoline - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4575	Gasoline - Shell Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4576	Gasoline - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4577	Gasoline - Shell Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4578	Gasoline - Shell Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4579	Gasoline - Shell Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4580	Gasoline - Chevron Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4581	Gasoline - Chevron Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4582	Gasoline - Chevron Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4583	Gasoline - 76 Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4584	Gasoline - 76 Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4585	Gasoline - 76 Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4586	Gasoline - Texaco Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4587	Gasoline - Texaco Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4588	Gasoline - Texaco Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4589	Gasoline - ARCO Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4590	Gasoline - ARCO Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4591	Gasoline - ARCO Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4592	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4593	Gasoline - Mapco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4594	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4595	Gasoline - BP Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4596	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4597	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4598	Gasoline - Mapco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4599	Gasoline - Citgo Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4600	Gasoline - BP Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4601	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4602	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4603	Gasoline - Mapco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4604	Gasoline - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4605	Gasoline - BP Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4606	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4607	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4608	Gasoline - BP Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4609	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4610	Gasoline - Mapco #1 Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4611	Gasoline - Mapco #2 Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4612	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4613	Gasoline - BP Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4614	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4615	Gasoline - Mapco #1 Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4616	Gasoline - Mapco #2 Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4617	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4618	Gasoline - BP Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4619	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4620	Gasoline - Mapco #1 Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4621	Gasoline - Mapco #2 Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4622	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4623	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4624	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4625	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4626	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4627	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4628	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4629	Gasoline - Citgo Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4630	Gasoline - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4631	Gasoline - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4632	Gasoline - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4633	Gasoline - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4634	Gasoline -Circle K Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4635	Gasoline -Circle K Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4636	Gasoline -Circle K Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4637	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4638	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4639	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4640	Fireplace wood combustion - eucalyptus wood	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	G
4641	Fireplace wood combustion - oak wood	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	G
4642	Fireplace wood combustion - pine wood	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	G
4646	Gasoline - 1995	Literature-Schauer	Liquid gasoline	G
4647	Gasoline - 1993	Literature-Schauer	Liquid gasoline	G
4648	Gasoline Headspace Vapor - 1995	Literature-Schauer	Gasoline headspace vapor	G
4649	Gasoline Headspace Vapor - 1993	Literature-Schauer	Gasoline headspace vapor	G
4650	Cooking vegetables - Stir frying in soybean oil	Literature-Schauer	Cooking vegetables; Stir frying	G
4651	Cooking vegetables - Stir frying in canola oil	Literature-Schauer	Cooking vegetables; Stir frying	G
4652	Cooking potatoes - Deep frying in hydrogenated oil	Literature-Schauer	Cooking potatoes; Deep frying	G
4659	Cigarette smoke	Literature-Schauer	cigarette smoke	G
4661	Industrial surface coating operations - water based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating water-based	G
4662	Industrial surface coating operations - oil based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating oil-based	G
4673	Diesel composition	Literature-Schauer	Diesel fuel	G
4674	Diesel exhaust - medium duty trucks	Literature-Schauer	diesel truck exhaust; motor vehicles	G
4676	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4677	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4678	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4679	Gasoline - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4680	Gasoline - Clark Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4681	Gasoline - Clark Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4682	Gasoline - Mobile Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4683	Gasoline - Mobile Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4684	Gasoline - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4685	Gasoline - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4686	Gasoline - SuperAmerica Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4687	Gasoline - SuperAmerica Grade 92 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4688	Gasoline Headspace Vapor - BP Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4689	Gasoline Headspace Vapor - BP Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4690	Gasoline Headspace Vapor - BP Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4691	Gasoline Headspace Vapor - Mobile Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4692	Gasoline Headspace Vapor - Mobile Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4693	Gasoline Headspace Vapor - Mobile Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4694	Gasoline Headspace Vapor - Sunoco Gasohol - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
4695	Gasoline - BP Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4696	Gasoline - BP Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4697	Gasoline - BP Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4698	Gasoline - Mobile Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4699	Gasoline - Mobile Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4700	Gasoline - Mobile Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4701	Gasoline - Sunoco Gasohol - adjusted for oxygenates	EPA NERL	Liquid gasoline	G
4702	Diesel Headspace Vapor - Shell Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
4703	Diesel Headspace Vapor - Marathon Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
4710	Olefins manufacturing (ethylene and propylene, SIC 2869)	1999 NEI	Olefins manufacturing	G
4711	Olefins manufacturing (ethylene and propylene, SIC 2869)	1999 NEI	Olefins manufacturing	G
4712	Olefins manufacturing (ethylene and propylene, SIC 2869)	1999 NEI	Olefins manufacturing	G
4713	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	G
4714	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	G
4715	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	G
4716	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	G
4717	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	G
4730	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Paper Mills; Boiler	G
4731	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Paper Mills; Boiler	G
4732	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Paper Mills; Boiler	G
4738	Lawn Mowers - 4 stroke (non-oxygenated gasoline)	EPA	Lawn Mowers; Non-oxygenated Gasoline	G
4739	Lawn Mowers - 4 stroke (MTBE blended gasoline)	EPA	Lawn Mower; MTBE Blended Gasoline	G
4740	Diesel Exhaust - Bus at -10 oC, 4-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 4-stroke; Oxidation catalyst	G
4741	Diesel Exhaust - Bus at 20 oC, 4-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 4-stroke; Oxidation catalyst	G
4742	Diesel Exhaust - Bus at -10 oC, 2-stroke	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke	G
4743	Diesel Exhaust - Bus at 20 oC, 2-stroke	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke	G
4744	Diesel Exhaust - Bus at -10 oC, 2-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke; Oxidation catalyst	G
4745	Diesel Exhaust - Bus at 20 oC, 2-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke; Oxidation catalyst	G
4753	Diesel Exhaust - Light Duty Truck operated at 22.9 oC; Cold Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4754	Diesel Exhaust - Light Duty Truck operated at 22.9 oC; Hot Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4755	Diesel Exhaust - Light Duty Truck operated at 22.9 oC; Composite	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4756	Diesel Exhaust - Light Duty Truck operated at 22.6 oC; Cold Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4757	Diesel Exhaust - Light Duty Truck operated at 22.6 oC; Hot Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4758	Diesel Exhaust - Light Duty Truck operated at 22.6 oC; Composite	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4759	Biodiesel Exhaust - Light Duty Truck operated at 24.1 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 10% Biodiesel; Light Duty Truck; Oxidation Catalyst	G

Profile Number	Name	Data Origin	Keyword	Profile Type
4760	Biodiesel Exhaust - Light Duty Truck operated at 24.1 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 10% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4761	Biodiesel Exhaust - Light Duty Truck operated at 24.1 oC; Composite	Environment Canada	Biodiesel Exhaust; 10% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4762	Biodiesel Exhaust - Light Duty Truck operated at 24.3 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 10% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4763	Biodiesel Exhaust - Light Duty Truck operated at 24.3 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 10% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4764	Biodiesel Exhaust - Light Duty Truck operated at 24.3 oC; Composite	Environment Canada	Biodiesel Exhaust; 10% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4765	Biodiesel Exhaust - Light Duty Truck operated at 24.2 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4766	Biodiesel Exhaust - Light Duty Truck operated at 24.2 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4767	Biodiesel Exhaust - Light Duty Truck operated at 24.2 oC; Composite	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4768	Biodiesel Exhaust - Light Duty Truck operated at 24.1 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4769	Biodiesel Exhaust - Light Duty Truck operated at 24.1 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4770	Biodiesel Exhaust - Light Duty Truck operated at 24.1 oC; Composite	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4771	Biodiesel Exhaust - Light Duty Truck operated at 23.2 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4772	Biodiesel Exhaust - Light Duty Truck operated at 23.2 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4773	Biodiesel Exhaust - Light Duty Truck operated at 23.2 oC; Composite	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4774	Biodiesel Exhaust - Light Duty Truck operated at 24.8 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4775	Biodiesel Exhaust - Light Duty Truck operated at 24.8 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4776	Biodiesel Exhaust - Light Duty Truck operated at 24.8 oC; Composite	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4777	Biodiesel Exhaust - Light Duty Truck operated at 24.7 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4778	Biodiesel Exhaust - Light Duty Truck operated at 24.7 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4779	Biodiesel Exhaust - Light Duty Truck operated at 24.7 oC; Composite	Environment Canada	Biodiesel Exhaust; 30% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4780	Diesel Exhaust - Light Duty Truck operated at 0.5 oC; Cold Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4781	Diesel Exhaust - Light Duty Truck operated at 0.5 oC; Hot Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4782	Diesel Exhaust - Light Duty Truck operated at 0.5 oC; Composite	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4783	Diesel Exhaust - Light Duty Truck operated at 0 oC; Hot Start	Environment Canada	Diesel Exhaust; Light Duty Truck; Low Sulfur Diesel (<0.05%); Oxidation Catalyst	G
4784	Biodiesel Exhaust - Light Duty Truck operated at 0 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4785	Biodiesel Exhaust - Light Duty Truck operated at 0 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4786	Biodiesel Exhaust - Light Duty Truck operated at 0 oC; Composite	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4787	Biodiesel Exhaust - Light Duty Truck operated at 0 oC; Cold Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4788	Biodiesel Exhaust - Light Duty Truck operated at 0 oC; Hot Start	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4789	Biodiesel Exhaust - Light Duty Truck operated at 0 oC; Composite	Environment Canada	Biodiesel Exhaust; 20% Biodiesel; Light Duty Truck; Oxidation Catalyst	G
4790	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP phase 1	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP phase 1	G
4791	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP phase 2	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP phase 2	G
4792	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP phase 3	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP phase 3	G
4793	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP composite	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP Composite	G
4794	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP phase 1	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP phase 1	G
4795	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP phase 2	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP phase 2	G
4796	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP phase 3	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP phase 3	G
4797	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP composite	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP Composite	G
4798	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP phase 1	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP phase 1	G
4799	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP phase 2	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP phase 2	G
4800	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP phase 3	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP phase 3	G
4801	Gasoline Exhaust - flexible fuel vehicle, reformulated gasoline, 2% oxygen, FTP composite	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; Reformulated Gasoline 2% oxygen; FTP Composite	G
4802	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP phase 1	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP phase 1	G
4803	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP phase 2	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP phase 2	G
4804	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP phase 3	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP phase 3	G
4805	Gasoline Exhaust - flexible fuel vehicle, E85 gasoline, FTP composite	Environment Canada	Gasoline Exhaust; Flexible Fuel Vehicle; E85 gasoline; FTP Composite	G

Profile Number	Name	Data Origin	Keyword	Profile Type
5295	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel	G
5296	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	G
5297	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel - Diesel PM Filter	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel; Diesel PM Filter	G
5328	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 1	G
5329	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 2	G
5330	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 1	G
5331	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 2	G
5332	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle composite	G
5333	Gasoline Exhaust - Reformulated gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; US06 cycle	G
5334	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 1	G
5335	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 2	G
5336	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 1	G
5337	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 2	G
5338	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle composite	G
5339	Gasoline Exhaust - E10 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; US06 cycle	G
5340	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 1	G
5341	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 2	G
5342	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 1	G
5343	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 2	G
5344	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle composite	G
5345	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; US06 cycle	G
5346	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 1	G
5347	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 2	G
5348	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 1	G
5349	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 2	G
5350	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle composite	G
5351	Gasoline Exhaust - E20 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; US06 cycle	G
5352	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 1	G
5353	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 2	G
5354	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 1	G
5355	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 2	G
5356	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle composite	G
5357	Gasoline Exhaust - Reformulated gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; US06 cycle	G
5358	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 1	G
5359	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 2	G
5360	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 1	G
5361	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 2	G
5362	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle composite	G
5363	Gasoline Exhaust - E10 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; US06 cycle	G
5364	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 1	G
5365	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 2	G
5366	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 1	G
5367	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 2	G

Profile Number	Name	Data Origin	Keyword	Profile Type
5368	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle composite	G
5369	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; US06 cycle	G
5370	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 1	G
5371	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 2	G
5372	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 1	G
5373	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 2	G
5374	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle composite	G
5375	Gasoline Exhaust - E20 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; US06 cycle	G
5376	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 1	G
5377	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 2	G
5378	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 1	G
5379	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 2	G
5380	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle composite	G
5381	Gasoline Exhaust - Reformulated gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; US06 cycle	G
5382	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 1	G
5383	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 2	G
5384	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 1	G
5385	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 2	G
5386	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle composite	G
5387	Gasoline Exhaust - E10 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; US06 cycle	G
5388	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 1	G
5389	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 2	G
5390	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 1	G
5391	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 2	G
5392	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle composite	G
5393	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; US06 cycle	G
5394	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 1	G
5395	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 2	G
5396	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 1	G
5397	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 2	G
5398	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle composite	G
5399	Gasoline Exhaust - E20 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; US06 cycle	G
5400	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle cold start phase 1	G
5401	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle cold start phase 2	G
5402	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle hot start phase 1	G
5403	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle hot start phase 2	G
5404	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle composite	G
5405	Gasoline Exhaust - Reformulated gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; US06 cycle	G
5406	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle cold start phase 1	G
5407	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle cold start phase 2	G
5408	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle hot start phase 1	G
5409	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle hot start phase 2	G
5410	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle composite	G
5411	Gasoline Exhaust - E10 gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; US06 cycle	G
5412	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle cold start phase 1	G
5413	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle cold start phase 2	G

Profile Number	Name	Data Origin	Keyword	Profile Type
5414	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle hot start phase 1	G
5415	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle hot start phase 2	G
5416	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle composite	G
5417	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; US06 cycle	G
5418	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle cold start phase 1	G
5419	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle cold start phase 2	G
5420	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle hot start phase 1	G
5421	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle hot start phase 2	G
5422	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle composite	G
5423	Gasoline Exhaust - E-10 gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; US06 cycle	G
5424	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 1	G
5425	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle cold start phase 2	G
5426	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 1	G
5427	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle hot start phase 2	G
5428	Gasoline Exhaust - Reformulated gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; FTP cycle composite	G
5429	Gasoline Exhaust - Reformulated gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; Reformulated gasoline; 20 oC; US06 cycle	G
5430	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 1	G
5431	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle cold start phase 2	G
5432	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 1	G
5433	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle hot start phase 2	G
5434	Gasoline Exhaust - E10 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; FTP cycle composite	G
5435	Gasoline Exhaust - E10 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 gasoline; 20 oC; US06 cycle	G
5436	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 1	G
5437	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle cold start phase 2	G
5438	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 1	G
5439	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle hot start phase 2	G
5440	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; FTP cycle composite	G
5441	Gasoline Exhaust - E10 splash blend gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; 20 oC; US06 cycle	G
5442	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 1	G
5443	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle cold start phase 2	G
5444	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 1	G
5445	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle hot start phase 2	G
5446	Gasoline Exhaust - E20 gasoline, 20 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; FTP cycle composite	G
5447	Gasoline Exhaust - E20 gasoline, 20 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E20 gasoline; 20 oC; US06 cycle	G
5448	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle cold start phase 1	G
5449	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle cold start phase 2	G
5450	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle hot start phase 1	G
5451	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle hot start phase 2	G
5452	Gasoline Exhaust - Reformulated gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; FTP cycle composite	G
5453	Gasoline Exhaust - Reformulated gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; Reformulated gasoline; -10 oC; US06 cycle	G
5454	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle cold start phase 1	G
5455	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle cold start phase 2	G
5456	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle hot start phase 1	G
5457	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle hot start phase 2	G
5458	Gasoline Exhaust - E10 gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; FTP cycle composite	G
5459	Gasoline Exhaust - E10 gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 gasoline; -10 oC; US06 cycle	G

Profile Number	Name	Data Origin	Keyword	Profile Type
5460	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle cold start phase 1	G
5461	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle cold start phase 2	G
5462	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle hot start phase 1	G
5463	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle hot start phase 2	G
5464	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; FTP cycle composite	G
5465	Gasoline Exhaust - E10 splash blend gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E10 splash blend gasoline; -10 oC; US06 cycle	G
5466	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle cold start phase 1	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle cold start phase 1	G
5467	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle cold start phase 2	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle cold start phase 2	G
5468	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle hot start phase 1	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle hot start phase 1	G
5469	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle hot start phase 2	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle hot start phase 2	G
5470	Gasoline Exhaust - E-10 gasoline, -10 oC, FTP cycle composite	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; FTP cycle composite	G
5471	Gasoline Exhaust - E-10 gasoline, -10 oC, US06 cycle	Environment Canada	Gasoline Exhaust; E-10 gasoline; -10 oC; US06 cycle	G
5472	Gasoline Vehicle - Diurnal evaporative - Reformulated gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; Reformulated gasoline	G
5473	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5474	Gasoline Vehicle - Diurnal evaporative - E20 ethanol gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; E20 ethanol gasoline	G
5475	Gasoline Vehicle - Diurnal evaporative - E10 ethanol splash blend gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; E10 ethanol splash blend gasoline	G
5476	Gasoline Vehicle - Hot soak - Reformulated gasoline	Environment Canada	Gasoline Vehicle; Hot soak; Reformulated gasoline	G
5477	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5478	Gasoline Vehicle - Hot soak - E20 ethanol gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E20 ethanol gasoline	G
5479	Gasoline Vehicle - Hot soak - E10 ethanol splash blend gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E10 ethanol splash blend gasoline	G
5480	Gasoline Vehicle - Hot soak - Reformulated gasoline	Environment Canada	Gasoline Vehicle; Hot soak; Reformulated gasoline	G
5481	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5482	Gasoline Vehicle - Hot soak - E20 ethanol gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E20 ethanol gasoline	G
5483	Gasoline Vehicle - Hot soak - E10 ethanol splash blend gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E10 ethanol splash blend gasoline	G
5484	Gasoline Vehicle - Diurnal evaporative - Reformulated gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; Reformulated gasoline	G
5485	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5486	Gasoline Vehicle - Diurnal evaporative - E20 ethanol gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; E20 ethanol gasoline	G
5487	Gasoline Vehicle - Diurnal evaporative - E10 ethanol splash blend gasoline	Environment Canada	Gasoline Vehicle; Diurnal evaporative; E10 ethanol splash blend gasoline	G
5488	Gasoline Vehicle - Hot soak - Reformulated gasoline	Environment Canada	Gasoline Vehicle; Hot soak; Reformulated gasoline	G
5489	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5490	Gasoline Vehicle - Hot soak - E20 ethanol gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E20 ethanol gasoline	G
5491	Gasoline Vehicle - Hot soak - E10 ethanol splash blend gasoline	Environment Canada	Gasoline Vehicle; Hot soak; E10 ethanol splash blend gasoline	G
5492	Liquid Gasoline Composition - Reformulated gasoline	Environment Canada	Liquid Gasoline Composition; Reformulated gasoline	G
5493	Liquid Gasoline Composition - E10 ethanol gasoline	Environment Canada	Liquid Gasoline Composition; E10 ethanol gasoline	G
5494	Liquid Gasoline Composition - E20 ethanol gasoline	Environment Canada	Liquid Gasoline Composition; E20 ethanol gasoline	G
5495	Liquid Gasoline Composition - E10 ethanol splash blend gasoline	Environment Canada	Liquid Gasoline Composition; E10 ethanol splash blend gasoline	G
5496	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5497	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5498	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5499	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5500	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5501	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5502	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5503	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5504	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5505	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G

Profile Number	Name	Data Origin	Keyword	Profile Type
5506	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5507	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5508	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5509	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5510	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5511	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5512	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5513	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5514	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5515	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5516	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5517	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5518	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5519	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5520	Gasoline Vehicle - Hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5521	Gasoline Vehicle - Composite hot soak - E10 ethanol gasoline	CARB	Gasoline Vehicle; Hot soak; E10 ethanol gasoline	G
5522	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5523	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5524	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5525	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5526	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5527	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5528	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5529	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5530	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5531	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5532	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5533	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5534	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5535	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5536	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5537	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5538	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5539	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5540	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5541	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5542	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5543	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5544	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5545	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5546	Gasoline Vehicle - Diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5547	Gasoline Vehicle - Composite diurnal evaporative - E10 ethanol gasoline	CARB	Gasoline Vehicle; Diurnal evaporative; E10 ethanol gasoline	G
5548	Diesel Exhaust - Medium Duty Truck fueled with 2007 ultra-low sulfur diesel	CRC	Diesel Exhaust; Medium Duty Truck; 2007 Ultra-low Sulfur Diesel	G
5549	Diesel Exhaust - Medium Duty Truck fueled with 2007 ultra-low sulfur diesel	CRC	Diesel Exhaust; Medium Duty Truck; 2007 Ultra-low Sulfur Diesel	G
5550	Diesel Exhaust - Light Duty Truck fueled with 2007 ultra-low sulfur diesel	CRC	Diesel Exhaust; Light Duty Truck; 2007 Ultra-low Sulfur Diesel	G
5551	Diesel Exhaust - Light Duty Truck fueled with 2007 ultra-low sulfur diesel	CRC	Diesel Exhaust; Light Duty Truck; 2007 Ultra-low Sulfur Diesel	G

Profile Number	Name	Data Origin	Keyword	Profile Type
5552	Diesel Exhaust - Low Aromatic Diesel - Cold Start	CARB	Diesel Exhaust; Low Aromatic Diesel; Cold Start	G
5553	Diesel Exhaust - Low Aromatic Diesel - Hot Start	CARB	Diesel Exhaust; Low Aromatic Diesel; Hot Start	G
5554	Diesel Exhaust - Pre-1993 Diesel - Cold Start	CARB	Diesel Exhaust; Pre-1993 Diesel; Cold Start	G
5555	Diesel Exhaust - Pre-1993 Diesel - Hot Start	CARB	Diesel Exhaust; Pre-1993 Diesel; Hot Start	G
5556	Diesel Exhaust - Reformulated Diesel - Cold Start	CARB	Diesel Exhaust; Reformulated Diesel; Cold Start	G
5557	Diesel Exhaust - Reformulated Diesel - Hot Start	CARB	Diesel Exhaust; Reformulated Diesel; Hot Start	G
5558	Biomass Burning - Savanna & Grassland	Literature	Biomass Burning; Savanna & Grassland	G
5559	Biomass Burning - Tropical Forest	Literature	Biomass Burning; Tropical Forest	G
5560	Biomass Burning - Extratropical Forest	Literature	Biomass Burning; Extratropical Forest	G
5561	Biomass Burning - Biofuel Burning	Literature	Biomass Burning; Biofuel Burning	G
5562	Biomass Burning - Charcoal Making	Literature	Biomass Burning; Charcoal Making	G
5563	Biomass Burning - Charcoal Burning	Literature	Biomass Burning; Charcoal Burning	G
5564	Biomass Burning - Agricultural Residues	Literature	Biomass Burning; Agricultural Residues	G
5565	Aircraft Exhaust	EPA-FAA	Aircraft Exhaust; Jet Engine	G
6000	Gasoline Headspace Vapors (Unburned Gasoline Summertime)	SPECIATE 3.2	GASOLINE; GASOLINE HEADSPACE	G
6001	Non-Catalyst Gasoline Light Duty Vehicle Exhaust	SPECIATE 3.2	NON-CATALYST VEHICLE EXHAUST; VEHICLES; GASOLINE COMBUSTION	G
6002	Surface Coating Operations (Industrial)	SPECIATE 3.2	COATING; INDUSTRIAL	G
6003	Architectural Coatings (Solvent Coating and Thinning Solvent)	SPECIATE 3.2	ARCHITECTURAL COATING; COATING; SOLVENT	G
6004	Whole Liquid Unburned Gasoline (Summer Blend)	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; GASOLINE - SUMMER	G
7000	Whole Gasoline: Service Station Profile	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; SERVICE STATION	G
7001	Whole Gasoline: Composite of Four Whole Gasoline Profiles	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; SERVICE STATION	G
7002	Whole Gasoline: Workplace Exposures Profile (Bulk Loading Facilities)	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; BULK LOADING FACILITIES	G
7003	Whole Gasoline: 1990 Atlanta Precursor Study: Weighted Average of Three Octane Grades	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; VEHICLES	G
7004	Whole Gasoline: 1990 Atlanta Precursor Study: 87 Octane Gasoline	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; GASOLINE - 87 OCTANE	G
7005	Whole Gasoline: 1990 Atlanta Precursor Study: 89 Octane Gasoline	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; GASOLINE - 89 OCTANE	G
7100	Particle Board & Fibreboard Mills	Environment Canada	Pulp and paper facility	G
7101	Chemical Pulp Mills	Environment Canada	Pulp and paper facility	G
7102	Chemical Pulp Mills	Environment Canada	Pulp and paper facility	G
7103	Chemical Pulp Mills	Environment Canada	Pulp and paper facility	G
7104	Waferboard Mills	Environment Canada	Pulp and paper facility	G
7105	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7106	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7107	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7108	Oilseed Processing	Environment Canada	Oilseed Processing	G
7109	Oilseed Processing	Environment Canada	Oilseed Processing	G
7110	Oilseed Processing	Environment Canada	Oilseed Processing	G
7111	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7112	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7113	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7114	Forest Nurseries & Gathering Forest Products	Environment Canada	Forest Nurseries & Gathering Forest Products	G
7115	Conventional Oil & Gas Extraction	Environment Canada	Conventional Oil & Gas Extraction	G
7116	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7117	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7118	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7119	Petroleum Refineries	Environment Canada	Petroleum Refineries	G

Profile Number	Name	Data Origin	Keyword	Profile Type
7120	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7121	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7122	Petroleum Refineries	Environment Canada	Petroleum Refineries	G
7123	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7124	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7125	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7126	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7127	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7128	Chemical Fertilizer (except Potash) Mfg.	Environment Canada	Chemical Fertilizer (except Potash) Mfg.	G
7129	Chemical Fertilizer (except Potash) Mfg.	Environment Canada	Chemical Fertilizer (except Potash) Mfg.	G
7130	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7131	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7132	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7133	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7134	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7135	Petroleum Refineries	Environment Canada	Petroleum Refineries	G
7136	Chemical Fertilizer (except Potash) Mfg.	Environment Canada	Chemical Fertilizer (except Potash) Mfg.	G
7137	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7138	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7139	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7140	Other Printing	Environment Canada	Other Printing	G
7141	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7142	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7143	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7144	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7145	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7146	Petroleum Refineries	Environment Canada	Petroleum Refineries	G
7147	Conventional Oil & Gas Extraction	Environment Canada	Conventional Oil & Gas Extraction	G
7148	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7149	Chemical Fertilizer (except Potash) Mfg.	Environment Canada	Chemical Fertilizer (except Potash) Mfg.	G
7150	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7151	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7152	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7153	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7154	Other Printing	Environment Canada	Other Printing	G
7155	Non-Conventional Oil Extraction	Environment Canada	Non-Conventional Oil Extraction	G
7156	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7157	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7158	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7159	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7160	Oilseed Processing	Environment Canada	Oilseed Processing	G
7161	Oilseed Processing	Environment Canada	Oilseed Processing	G
7162	Other Printing	Environment Canada	Other Printing	G
7163	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7164	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7165	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G

Profile Number	Name	Data Origin	Keyword	Profile Type
7166	Oilseed Processing	Environment Canada	Oilseed Processing	G
7167	Other Electric Power Generation	Environment Canada	Other Electric Power Generation	G
7168	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7169	Oilseed (exc. Soybean) Farming	Environment Canada	Oilseed (exc. Soybean) Farming	G
7170	Oilseed Processing	Environment Canada	Oilseed Processing	G
7171	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7172	Services to Oil & Gas Extraction	Environment Canada	Services to Oil & Gas Extraction	G
7173	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7174	Other Warehousing & Storage	Environment Canada	Other Warehousing & Storage	G
7175	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7176	Other Printing	Environment Canada	Other Printing	G
7177	Oilseed Processing	Environment Canada	Oilseed Processing	G
7178	Automobile & Light-Duty Motor Vehicle Mfg.	Environment Canada	Automobile & Light-Duty Motor Vehicle Mfg.	G
7179	Conventional Oil & Gas Extraction	Environment Canada	Conventional Oil & Gas Extraction	G
7180	Petroleum Product Whl.	Environment Canada	Petroleum Product Whl.	G
7181	Other Electric Power Generation	Environment Canada	Other Electric Power Generation	G
7182	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
7183	Services to Oil & Gas Extraction	Environment Canada	Services to Oil & Gas Extraction	G
7184	Services to Oil & Gas Extraction	Environment Canada	Services to Oil & Gas Extraction	G
7185	Conventional Oil & Gas Extraction	Environment Canada	Conventional Oil & Gas Extraction	G
7186	Other Printing	Environment Canada	Other Printing	G
7187	Other Printing	Environment Canada	Other Printing	G
7188	Other Printing	Environment Canada	Other Printing	G
7189	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7190	Plastics Bag Manufacturing	Environment Canada	Plastics Bag Manufacturing	G
7191	Other Printing	Environment Canada	Other Printing	G
7192	Other Printing	Environment Canada	Other Printing	G
7193	Other Printing	Environment Canada	Other Printing	G
7194	Other Printing	Environment Canada	Other Printing	G
7195	Paint & Coating Mfg.	Environment Canada	Paint & Coating Mfg.	G
7196	Other Electric Power Generation	Environment Canada	Other Electric Power Generation	G
7197	Natural Gas Distribution	Environment Canada	Natural Gas Distribution	G
7198	Services to Oil & Gas Extraction	Environment Canada	Services to Oil & Gas Extraction	G
7199	Petrochemical Mfg.	Environment Canada	Petrochemical Mfg.	G
8001	Solvent Utilization:1,2,4-Trichlorobenzene	SPECIATE 3.2	SOLVENT; TRICHLOROBENZENE	G
8005	Solvent Utilization:1,2 Dichloroethane	SPECIATE 3.2	DICHLOROETHANE; SOLVENT	G
8020	Solvent Utilization:2-Ethylhexanol	SPECIATE 3.2	ETHYLHEXANOL; SOLVENT	G
8025	Solvent Utilization:Acetal & Other Aroma Chemicals	SPECIATE 3.2	SOLVENT; ACETAL CHEMICALS	G
8035	Solvent Utilization:Acetonitrile	SPECIATE 3.2	ACETONITRILE; SOLVENT	G
8040	Solvent Utilization:Amyl Alcohols (Mixed)	SPECIATE 3.2	AMYL ALCOHOL; SOLVENT	G
8045	Solvent Utilization:Benzyl Alcohol	SPECIATE 3.2	BENZYL ALCOHOL; SOLVENT	G
8050	Solvent Utilization:Buty Benzoate	SPECIATE 3.2	BUTY BENZOATE; SOLVENT	G
8075	Solvent Utilization:Carbon Disulfide	SPECIATE 3.2	CARBON DISULFIDE; SOLVENT	G
8085	Solvent Utilization:Chlorofluorocarbons: General	SPECIATE 3.2	CHLOROFLUOROCARBONS; SOLVENT	G
8095	Solvent Utilization:Cresylic Acid	SPECIATE 3.2	CRESYLIC ACID; SOLVENT	G
8105	Solvent Utilization:Decanol	SPECIATE 3.2	DECANOL; SOLVENT	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8110	Solvent Utilization:Diacetone Alcohol	SPECIATE 3.2	DIACETONE ALCOHOL; SOLVENT	G
8115	Solvent Utilization:Diethylamine	SPECIATE 3.2	DIETHYLAMINE; SOLVENT	G
8125	Solvent Utilization:Diethylene Glycol Monobutyl Ether	SPECIATE 3.2	DIETHYLENE GLYCOL BUTYL ETHER; SOLVENT	G
8130	Solvent Utilization:Diethylene Glycol Monoethyl Ether	SPECIATE 3.2	DIETHYLENE GLYCOL ETHYL ETHER; SOLVENT	G
8135	Solvent Utilization:Diethylene Glycol Monomethyl Ether	SPECIATE 3.2	DIETHYLENE GLYCOL METHYL ETHER; SOLVENT	G
8140	Solvent Utilization:Dimethyl Acetamide	SPECIATE 3.2	DIMETHYL ACETAMIDE; SOLVENT	G
8145	Solvent Utilization:Dimethylamine	SPECIATE 3.2	DIMETHYLAMINE; SOLVENT	G
8160	Solvent Utilization:Dipropylene Glycol Monomethyl Ether	SPECIATE 3.2	DIPROPYLENE GLYCOL METHYL ETHE; SOLVENT	G
8175	Solvent Utilization:Ethyl Chloride (Chloroethane)	SPECIATE 3.2	ETHYL CHLORIDE; CHLOROETHANE; SOLVENT	G
8200	Solvent Utilization:Ethylene Glycol Monoethyl Ether (2-Ethoxyethanol)	SPECIATE 3.2	ETHOXYETHANOL; 2-; ETHYLENE GLYCOL ETHYL ETHER; SOLVENT	G
8205	Solvent Utilization:Ethylene Glycol Monoethyl Ether Acetate	SPECIATE 3.2	GLYCOL ETHYL ETHER ACETATE; SOLVENT	G
8210	Solvent Utilization:Ethylene Glycol Monomethyl Ether (2-Methoxyethanol)	SPECIATE 3.2	ETHYLENE GLYCOL METHYL ETHER; METHOXYETHANOL; 2-; SOLVENT	G
8215	Solvent Utilization:Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	SPECIATE 3.2	BUTOXYETHANOL; 2-; ETHYLENE GLYCOL BUTYL ETHER; SOLVENT	G
8220	Solvent Utilization:Formalin	SPECIATE 3.2	FORMALIN; SOLVENT	G
8225	Solvent Utilization:Formic Acid	SPECIATE 3.2	FORMIC ACID; SOLVENT	G
8235	Solvent Utilization:Glycol Ethers: All Types	SPECIATE 3.2	GLYCOL ETHERS; SOLVENT	G
8245	Solvent Utilization:Isobutyl Acetate	SPECIATE 3.2	ISOBUTYL ACETATE; SOLVENT	G
8265	Solvent Utilization:Methyl Chloride	SPECIATE 3.2	METHYL CHLORIDE; SOLVENT	G
8280	Solvent Utilization:Methyl Isobutyl Carbinol	SPECIATE 3.2	METHYL ISOBUTYL CARBINOL; SOLVENT	G
8290	Solvent Utilization:Methylamine	SPECIATE 3.2	METHYLAMINE; SOLVENT	G
8305	Solvent Utilization:N-Methyl-2-Pyrrolidone	SPECIATE 3.2	METHYL-2-PYRROLIDINONE; SOLVENT	G
8310	Solvent Utilization:N-Propanol	SPECIATE 3.2	PROPANOL; SOLVENT	G
8315	Solvent Utilization:Naphthenic Acids	SPECIATE 3.2	NAPHTHENIC ACIDS; SOLVENT	G
8325	Solvent Utilization:o-,m-,& p-Cresol	SPECIATE 3.2	CRESOL; SOLVENT	G
8335	Solvent Utilization:Oxalic Acid	SPECIATE 3.2	OXALIC ACID; SOLVENT	G
8340	Solvent Utilization:P-Dichlorobenzene	SPECIATE 3.2	DICHLOROBENZENE; SOLVENT	G
8355	Solvent Utilization:Propylene Glycol Monomethyl Ether	SPECIATE 3.2	PROPYLENE GLYCOL METHYL ETHER; SOLVENT	G
8360	Solvent Utilization:Propylene Glycol Monomethyl Ether Acetate	SPECIATE 3.2	SOLVENT; GLYCOL MONOMETHYL ETHER ACETAT	G
8365	Solvent Utilization:Pyridine	SPECIATE 3.2	PYRIDINE; SOLVENT	G
8375	Solvent Utilization:Tetrohydrofuran	SPECIATE 3.2	SOLVENT; TETROHYDROFURAN	G
8395	Solvent Utilization:Triethylamine	SPECIATE 3.2	SOLVENT; TRIETHYLAMINE	G
8400	Solvent Utilization:Triethylene Glycol	SPECIATE 3.2	SOLVENT; TRIETHYLENE GLYCOL	G
8500	Consumer and Commercial Products: Comprehensive Consumer and Commercial Product Profile	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS	G
8501	Consumer and Commercial Products: Personal Care Products: All Personal Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS	G
8502	Consumer and Commercial Products: Personal Care Products: Hair Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; HAIR CARE PRODUCTS	G
8503	Consumer and Commercial Products: Personal Care Products: Deodorants and Antiperspirants	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; DEODORANTS; ANTIPERSPIRANTS	G
8504	Consumer and Commercial Products: Personal Care Products: Fragrance Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; FRAGRANCE PRODUCTS	G
8505	Consumer and Commercial Products: Personal Care Products: Powders	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; POWDERS (PERSONAL CARE)	G
8506	Consumer and Commercial Products: Personal Care Products: Nail Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; NAIL CARE PRODUCTS	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8507	Consumer and Commercial Products: Personal Care Products: Facial and Body Treatments	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; FACIAL TREATMENTS	G
8508	Consumer and Commercial Products: Personal Care Products: Oral Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; ORAL CARE PRODUCTS	G
8509	Consumer and Commercial Products: Personal Care Products: Health Use Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; HEALTH USE PRODUCTS	G
8510	Consumer and Commercial Products: Personal Care Products: Miscellaneous Personal Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS	G
8511	Consumer and Commercial Products: Household Products: All Household Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS	G
8512	Consumer and Commercial Products: Household Products: Hard Surface Cleaners	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; CLEANER; HARD SURFACE	G
8513	Consumer and Commercial Products: Household Products: Laundry Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; LAUNDRY PRODUCTS	G
8514	Consumer and Commercial Products: Household Products: Fabric and Carpet Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; CARPET CARE PRODUCTS	G
8515	Consumer and Commercial Products: Household Products: Dishwashing Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; DISHWASHING PRODUCTS	G
8516	Consumer and Commercial Products: Household Products: Waxes and Polishes	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; WAXES; POLISHES	G
8517	Consumer and Commercial Products: Household Products: Air Fresheners	SPECIATE 3.2	COMMERCIAL PRODUCTS; CONSUMER PRODUCTS; HOUSEHOLD PRODUCTS; AIR FRESHENERS	G
8518	Consumer and Commercial Products: Household Products: Shoe and Leather Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; LEATHER CARE PRODUCTS; SHOE CARE PRODUCTS	G
8519	Consumer and Commercial Products: Household Products: Miscellaneous Household Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS	G
8520	Consumer and Commercial Products: Automotive Aftermarket Products: All Automotive Aftermarket Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; AUTOMOBILE PRODUCTS	G
8521	Consumer and Commercial Products: Automotive Aftermarket Products: Detailing Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; AUTOMOBILE PRODUCTS	G
8522	Consumer and Commercial Products: Automotive Aftermarket Products: Maintenance and Repair Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; AUTOMOBILE PRODUCTS	G
8523	Consumer and Commercial Products: Adhesives and Sealants: All Adhesives and Sealants	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; SEALANTS; ADHESIVE	G
8524	Consumer and Commercial Products: Adhesives and Sealants: Consumer Adhesives	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; ADHESIVE	G
8525	Consumer and Commercial Products: Adhesives and Sealants: Sealants	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; SEALANTS	G
8526	Consumer and Commercial Products: Fifra Related Products: All Fifra Related Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS	G
8527	Consumer and Commercial Products: Fifra Related Products: Insecticides	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; INSECTICIDES	G
8528	Consumer and Commercial Products: Fifra Related Products: Fungicides and Nematides	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; FUNGICIDES; NEMATICIDES	G
8529	Consumer and Commercial Products: Fifra Related Products: Herbicides	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; HERBICIDES	G
8530	Consumer and Commercial Products: Fifra Related Products: Antimicrobial Agents	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; ANTIMICROBIAL AGENTS	G
8531	Consumer and Commercial Products: Fifra Related Products: Other FIFRA-Regulated Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS	G
8532	Consumer and Commercial Products: Coatings and Related Products: All Coatings and Related Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; COATING	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8533	Consumer and Commercial Products: Coatings and Related Products: Aerosol Spray Paints	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; COATING	G
8534	Consumer and Commercial Products: Coatings and Related Products: Coating-Related Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; COATING	G
8535	Consumer and Commercial Products: Miscellaneous Products: All Miscellaneous Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS	G
8536	Consumer and Commercial Products: Miscellaneous Products: Arts and Crafts Supplies	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; CRAFT SUPPLIES	G
8537	Consumer and Commercial Products: Miscellaneous Products: Non-Pesticidal Veterinary and Pet Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; VETERINARY (NON-PESTICIDAL); PET PRODUCTS	G
8538	Consumer and Commercial Products: Miscellaneous Products: Pressurized Food Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FOOD	G
8539	Consumer and Commercial Products: Miscellaneous Products: Office Supplies	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; OFFICE SUPPLIES	G
8540	Gasoline Headspace Vapor - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8541	Gasoline Headspace Vapor - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8542	Gasoline Headspace Vapor - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8543	Gasoline Headspace Vapor - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8544	Gasoline Headspace Vapor - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8545	Gasoline Headspace Vapor - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8546	Gasoline Headspace Vapor - Chevron Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8547	Gasoline Headspace Vapor - Chevron Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8548	Gasoline Headspace Vapor - Chevron Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8549	Gasoline Headspace Vapor - Conoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8550	Gasoline Headspace Vapor - Conoco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8551	Gasoline Headspace Vapor - Conoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8552	Gasoline Headspace Vapor - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8553	Gasoline Headspace Vapor - Shell Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8554	Gasoline Headspace Vapor - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8555	Gasoline Headspace Vapor - Texaco Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8556	Gasoline Headspace Vapor - Texaco Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8557	Gasoline Headspace Vapor - Texaco Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8558	Gasoline Headspace Vapor - Shell Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8559	Gasoline Headspace Vapor - Shell Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8560	Gasoline Headspace Vapor - Shell Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8561	Gasoline Headspace Vapor - Arco Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8562	Gasoline Headspace Vapor - Arco Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8563	Gasoline Headspace Vapor - Arco Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8564	Gasoline Headspace Vapor - Chevron Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8565	Gasoline Headspace Vapor - Chevron Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8566	Gasoline Headspace Vapor - Chevron Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8567	Gasoline Headspace Vapor - 76 Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8568	Gasoline Headspace Vapor - 76 Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8569	Gasoline Headspace Vapor - 76 Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8570	Gasoline Headspace Vapor - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8571	Gasoline Headspace Vapor - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8572	Gasoline Headspace Vapor - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8573	Gasoline Headspace Vapor - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8574	Gasoline Headspace Vapor - Super America Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8575	Gasoline Headspace Vapor - Super America Grade 92 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8576	Gasoline Headspace Vapor - Mobil Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8577	Gasoline Headspace Vapor - Mobil Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8578	Gasoline Headspace Vapor - Clark Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8579	Gasoline Headspace Vapor - Clark Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8580	Gasoline Headspace Vapor - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8581	Gasoline Headspace Vapor - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8582	Gasoline Headspace Vapor - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8583	Gasoline Headspace Vapor - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8584	Gasoline Headspace Vapor - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8585	Gasoline Headspace Vapor - Mapco #1 Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8586	Gasoline Headspace Vapor - Mapco #2 Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8587	Gasoline Headspace Vapor - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8588	Gasoline Headspace Vapor - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8589	Gasoline Headspace Vapor - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8590	Gasoline Headspace Vapor - Mapco #1 Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8591	Gasoline Headspace Vapor - Mapco #2 Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8592	Gasoline Headspace Vapor - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8593	Gasoline Headspace Vapor - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8594	Gasoline Headspace Vapor - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8595	Gasoline Headspace Vapor - Mapco #1 Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8596	Gasoline Headspace Vapor - Mapco #2 Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8597	Gasoline Headspace Vapor - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8598	Gasoline Headspace Vapor - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8599	Gasoline Headspace Vapor - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8600	Gasoline Headspace Vapor - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8601	Gasoline Headspace Vapor - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8602	Gasoline Headspace Vapor - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8603	Gasoline Headspace Vapor - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8604	Gasoline Headspace Vapor - Citgo Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8605	Gasoline Headspace Vapor - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8606	Gasoline - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8607	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8608	Gasoline Headspace Vapor - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8609	Gasoline Headspace Vapor - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8610	Gasoline Headspace Vapor - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8611	Gasoline Headspace Vapor - Circle K Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8612	Gasoline Headspace Vapor - Circle K Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8613	Gasoline Headspace Vapor - Circle K Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8614	Gasoline Headspace Vapor - Circle K Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8615	Gasoline Headspace Vapor - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8616	Gasoline Headspace Vapor - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8617	Gasoline Headspace Vapor - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8618	Gasoline Headspace Vapor - Circle K Diesel - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8619	Gasoline Headspace Vapor - Independent Diesel - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8620	Diesel Headspace Vapor - Super America Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
8621	Diesel Headspace Vapor - Citgo Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8622	Diesel Headspace Vapor - Shell Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
8623	Diesel Headspace Vapor - Citgo Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
8624	Gasoline Headspace Vapor - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8625	Gasoline Headspace Vapor - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8626	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8627	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8628	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8629	Gasoline - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8630	Gasoline - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8631	Gasoline - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8632	Gasoline - Chevron Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8633	Gasoline - Chevron Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8634	Gasoline - Chevron Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8635	Gasoline - Conoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8636	Gasoline - Conoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8637	Gasoline - Conoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8638	Gasoline - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8639	Gasoline - Shell Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8640	Gasoline - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8641	Gasoline - Shell Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8642	Gasoline - Shell Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8643	Gasoline - Shell Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8644	Gasoline - Chevron Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8645	Gasoline - Chevron Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8646	Gasoline - Chevron Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8647	Gasoline - 76 Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8648	Gasoline - 76 Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8649	Gasoline - 76 Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8650	Gasoline - Texaco Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8651	Gasoline - Texaco Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8652	Gasoline - Texaco Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8653	Gasoline - ARCO Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8654	Gasoline - ARCO Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8655	Gasoline - ARCO Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8656	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8657	Gasoline - Mapco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8658	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8659	Gasoline - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8660	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8661	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8662	Gasoline - Mapco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8663	Gasoline - Citgo Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8664	Gasoline - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8665	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8666	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8667	Gasoline - Mapco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8668	Gasoline - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8669	Gasoline - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8670	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8671	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8672	Gasoline - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8673	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8674	Gasoline - Mapco #1 Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8675	Gasoline - Mapco #2 Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8676	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8677	Gasoline - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8678	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8679	Gasoline - Mapco #1 Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8680	Gasoline - Mapco #2 Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8681	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8682	Gasoline - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8683	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8684	Gasoline - Mapco #1 Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8685	Gasoline - Mapco #2 Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8686	Gasoline - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8687	Gasoline - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8688	Gasoline - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8689	Gasoline -Circle K Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8690	Gasoline -Circle K Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8691	Gasoline -Circle K Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8692	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8693	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8694	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8695	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8696	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8697	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8698	Gasoline - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8699	Gasoline - Clark Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8700	Gasoline - Clark Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8701	Gasoline - Mobile Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8702	Gasoline - Mobile Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8703	Gasoline - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8704	Gasoline - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8705	Gasoline - SuperAmerica Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8706	Gasoline - SuperAmerica Grade 92 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8707	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8708	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8709	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8710	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8711	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8712	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8713	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G

Profile Number	Name	Data Origin	Keyword	Profile Type
8714	Gasoline - Citgo Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8715	Gasoline - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8716	Gasoline Headspace Vapor - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8717	Gasoline Headspace Vapor - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8718	Gasoline Headspace Vapor - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8719	Gasoline Headspace Vapor - Mobile Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8720	Gasoline Headspace Vapor - Mobile Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8721	Gasoline Headspace Vapor - Mobile Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8722	Gasoline Headspace Vapor - Sunoco Gasohol - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	G
8723	Gasoline - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8724	Gasoline - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8725	Gasoline - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8726	Gasoline - Mobile Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8727	Gasoline - Mobile Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8728	Gasoline - Mobile Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8729	Gasoline - Sunoco Gasohol - not adjusted for oxygenates	EPA NERL	Liquid gasoline	G
8730	Diesel Headspace Vapor - Shell Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
8731	Diesel Headspace Vapor - Marathon Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	G
8732	Composite Profile - MTBE Blended Gasoline	EPA NERL	Composite Profile; MTBE Gasoline	G
8733	Composite Profile - Ethanol Blended Gasoline	EPA NERL	Composite Profile; Ethanol Gasoline	G
8734	Composite Profile - Non-oxygenated Gasoline	EPA NERL	Composite Profile; Non-Oxygenated Gasoline	G
8735	Composite Profile - MTBE Blended Gasoline Headspace Vapor	EPA NERL	Composite Profile; MTBE Gasoline headspace vapor	G
8736	Composite Profile - Ethanol Blended Gasoline Headspace Vapor	EPA NERL	Composite Profile; Ethanol Gasoline headspace vapor	G
8737	Composite Profile - Non-xygenated Gasoline Headspace Vapor	EPA NERL	Composite Profile; Non-Oxygenated Gasoline headspace vapor	G
8743	Composite Profile - Forest Fires	EPA	Biomass open burning; Foliar fuels; Wild fires; Prescribed burning; Forest fires	G
8744	Composite Profile - Architectural Coatings: Solvent Borne and water borne	CARB	Architectural Coatings	G
8745	Composite Profile - Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	G
8746	Composite Profile - Straw Burning	EPA APPCD	Agricultural Burning; Prescribed Burning	G
8748	Composite Profile - Overall Liquid Gasoline (MTBE, Ethanol, and Non-Oxygenated)	EPA NERL	Composite Profile; Overall Liquid Gasoline	G
8749	Composite Profile - Overall Gasoline headspace vapor (MTBE, Ethanol, and Non-Oxygenated)	EPA NERL	Composite Profile; Overall Gasoline headspace vapor	G
8750	Gasoline Exhaust - Reformulated gasoline	EPA OTAQ	Gasoline Exhaust; Reformulated gasoline	G
8751	Gasoline Exhaust - E10 ethanol gasoline	EPA ORD	Gasoline Exhaust; E10 ethanol gasoline	G
8752	Gasoline Exhaust - E85 ethanol gasoline	EPA NERL	Gasoline Exhaust; E85 ethanol gasoline	G
8753	Gasoline Vehicle - Evaporative emission - Reformulated gasoline	Auto-Oil Data	Gasoline Vehicle; Evaporative emission; Reformulated gasoline	G
8754	Gasoline Vehicle - Evaporative emission - E10 ethanol gasoline	Auto-Oil Data	Gasoline Vehicle; Evaporative emission; E10 ethanol gasoline	G
8755	Gasoline Vehicle - Evaporative emission - E85 ethanol gasoline	Auto-Oil Data	Gasoline Vehicle; Evaporative emission; E85 ethanol gasoline	G

Table A-2. Summary of PM Profiles Incorporated into the SPECIATE 4.2 Database

Profile Number	Name	Data Origin	Keyword	Profile Type
000002.5	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
0000010	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
0000030	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
3156	Tire Wear	CARB	Tire Wear	PM
3157	Brake Wear	CARB	Brake Wear	PM
3158	Motor Vehicle Exhaust - Gasoline	CARB	Motor Vehicle; Gasoline	PM
3190	Coal Combustion	DRI	Coal Combustion; Utility	PM
3191	Coal Combustion	DRI	Coal Combustion; Utility	PM
3192	Coal Combustion	DRI	Coal Combustion; Utility	PM
3193	Coal Combustion	DRI	Coal Combustion; Utility	PM
3194	Coal Combustion	DRI	Coal Combustion; Utility	PM
3195	Gas Combustion	DRI	Gas Combustion; Utility	PM
3196	Agriculture Soil	DRI	Geological; Agriculture	PM
3197	Paved Road	DRI	Geological; Paved Road	PM
3198	Highway Road Dust	DRI	Geological; Tunnel	PM
3199	Highway Road Dust	DRI	Geological; Tunnel	PM
3200	Highway Road Dust	DRI	Geological; Highway	PM
3201	Paved Road Dust	DRI	Geological; Paved Road	PM
3202	Road Sanding	DRI	Geological; Road Sanding	PM
3203	Paved Road Dust	DRI	Geological; Paved Road	PM
3204	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3205	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3206	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3207	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3208	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3209	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3210	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3211	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3212	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3213	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3214	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3215	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3216	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3217	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3218	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3219	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3220	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3221	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3222	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3223	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3224	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3225	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3226	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3227	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3228	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3229	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3230	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3231	Refinery	DRI	Refinery; Catalytic Cracker	PM
3232	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3233	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3234	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3235	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3236	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3237	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3238	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3239	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3240	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3241	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3242	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3243	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3244	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3245	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3246	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3247	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3248	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3249	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3250	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3251	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3252	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3253	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3254	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3255	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3256	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3257	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3258	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3259	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3260	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3261	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3262	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3263	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3264	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3265	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3266	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3267	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3268	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3270	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3271	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3272	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3273	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3275	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3276	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3277	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3278	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3280	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3281	Tire Burning	DRI	Incinerator; Tire Burning	PM
3282	Tire Burning	DRI	Incinerator; Tire Burning	PM
3283	Tire Burning	DRI	Incinerator; Tire Burning	PM
3284	Tire Burning	DRI	Incinerator; Tire Burning	PM
3285	Tire Burning	DRI	Incinerator; Tire Burning	PM
3286	Incinerator	DRI	Incinerator	PM
3287	Incinerator	DRI	Incinerator	PM
3288	Incinerator	DRI	Incinerator	PM
3290	Incinerator	DRI	Incinerator	PM
3291	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3292	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3293	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3295	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3296	Agriculture Soil	DRI	Geological; Agriculture	PM
3297	Agriculture Soil	DRI	Geological; Agriculture	PM
3298	Agriculture Soil	DRI	Geological; Agriculture	PM
3299	Agriculture Soil	DRI	Geological; Agriculture	PM
3300	Agriculture Soil	DRI	Geological; Agriculture	PM
3301	Agriculture Soil	DRI	Geological; Agriculture	PM
3302	Paved Road Dust	DRI	Geological; Paved Road	PM
3303	Paved Road Dust	DRI	Geological; Paved Road	PM
3304	Paved Road Dust	DRI	Geological; Paved Road	PM
3305	Paved Road Dust	DRI	Geological; Paved Road	PM
3306	Agriculture Soil	DRI	Geological; Agriculture	PM
3307	Agriculture Soil	DRI	Geological; Agriculture	PM
3308	Agriculture Soil	DRI	Geological; Agriculture	PM
3309	Agriculture Soil	DRI	Geological; Agriculture	PM
3310	Agriculture Soil	DRI	Geological; Agriculture	PM
3311	Agriculture Soil	DRI	Geological; Agriculture	PM
3312	Agriculture Soil	DRI	Geological; Agriculture	PM
3313	Agriculture Soil	DRI	Geological; Agriculture	PM
3314	Agriculture Soil	DRI	Geological; Agriculture	PM
3315	Agriculture Soil	DRI	Geological; Agriculture	PM
3316	Sand and Gravel	DRI	Geological	PM
3317	Sand and Gravel	DRI	Geological	PM
3318	Sand and Gravel	DRI	Geological	PM
3319	Sand and Gravel	DRI	Geological	PM
3320	Sand and Gravel	DRI	Geological	PM
3321	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3322	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3323	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3324	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3325	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3326	Paved Road Dust	DRI	Geological; Paved Road	PM
3327	Paved Road Dust	DRI	Geological; Paved Road	PM
3328	Paved Road Dust	DRI	Geological; Paved Road	PM
3329	Paved Road Dust	DRI	Geological; Paved Road	PM
3330	Paved Road Dust	DRI	Geological; Paved Road	PM
3331	Agriculture Soil	DRI	Geological; Agriculture	PM
3332	Agriculture Soil	DRI	Geological; Agriculture	PM
3333	Agriculture Soil	DRI	Geological; Agriculture	PM
3334	Agriculture Soil	DRI	Geological; Agriculture	PM
3335	Agriculture Soil	DRI	Geological; Agriculture	PM
3336	Agriculture Soil	DRI	Geological; Agriculture	PM
3337	Agriculture Soil	DRI	Geological; Agriculture	PM
3338	Agriculture Soil	DRI	Geological; Agriculture	PM
3339	Agriculture Soil	DRI	Geological; Agriculture	PM
3340	Agriculture Soil	DRI	Geological; Agriculture	PM
3341	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3342	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3343	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3344	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3345	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3346	Paved Road Dust	DRI	Geological; Paved Road	PM
3347	Paved Road Dust	DRI	Geological; Paved Road	PM
3348	Paved Road Dust	DRI	Geological; Paved Road	PM
3349	Paved Road Dust	DRI	Geological; Paved Road	PM
3350	Paved Road Dust	DRI	Geological; Paved Road	PM
3351	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3352	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3353	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3354	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3355	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3356	Agriculture Soil	DRI	Geological; Agriculture	PM
3357	Agriculture Soil	DRI	Geological; Agriculture	PM
3358	Agriculture Soil	DRI	Geological; Agriculture	PM
3359	Agriculture Soil	DRI	Geological; Agriculture	PM
3360	Agriculture Soil	DRI	Geological; Agriculture	PM
3361	Agriculture Soil	DRI	Geological; Agriculture	PM
3362	Agriculture Soil	DRI	Geological; Agriculture	PM
3363	Agriculture Soil	DRI	Geological; Agriculture	PM
3364	Agriculture Soil	DRI	Geological; Agriculture	PM
3365	Agriculture Soil	DRI	Geological; Agriculture	PM
3366	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3367	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3368	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3369	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3370	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3371	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3372	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3373	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3374	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3375	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3376	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3377	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3378	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3379	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3380	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3381	Paved Road Dust	DRI	Geological; Paved Road	PM
3382	Paved Road Dust	DRI	Geological; Paved Road	PM
3383	Paved Road Dust	DRI	Geological; Paved Road	PM
3384	Paved Road Dust	DRI	Geological; Paved Road	PM
3385	Paved Road Dust	DRI	Geological; Paved Road	PM
3386	Paved Road Dust	DRI	Geological; Paved Road	PM
3387	Paved Road Dust	DRI	Geological; Paved Road	PM
3388	Paved Road Dust	DRI	Geological; Paved Road	PM
3389	Paved Road Dust	DRI	Geological; Paved Road	PM
3390	Paved Road Dust	DRI	Geological; Paved Road	PM
3391	Agriculture Soil	DRI	Geological; Agriculture	PM
3392	Agriculture Soil	DRI	Geological; Agriculture	PM
3393	Agriculture Soil	DRI	Geological; Agriculture	PM
3394	Agriculture Soil	DRI	Geological; Agriculture	PM
3395	Agriculture Soil	DRI	Geological; Agriculture	PM
3396	Desert Soil	DRI	Geological; Desert	PM
3397	Desert Soil	DRI	Geological; Desert	PM
3398	Desert Soil	DRI	Geological; Desert	PM
3399	Desert Soil	DRI	Geological; Desert	PM
3400	Desert Soil	DRI	Geological; Desert	PM
3401	Desert Soil	DRI	Geological; Desert	PM
3402	Desert Soil	DRI	Geological; Desert	PM
3403	Desert Soil	DRI	Geological; Desert	PM
3404	Desert Soil	DRI	Geological; Desert	PM
3405	Desert Soil	DRI	Geological; Desert	PM
3406	Desert Soil	DRI	Geological; Desert	PM
3407	Desert Soil	DRI	Geological; Desert	PM
3408	Desert Soil	DRI	Geological; Desert	PM
3409	Desert Soil	DRI	Geological; Desert	PM
3410	Desert Soil	DRI	Geological; Desert	PM
3411	Desert Soil	DRI	Geological; Desert	PM
3412	Desert Soil	DRI	Geological; Desert	PM
3413	Desert Soil	DRI	Geological; Desert	PM
3414	Desert Soil	DRI	Geological; Desert	PM
3415	Desert Soil	DRI	Geological; Desert	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3416	Volcanic Soil	DRI	Geological; Volcanic	PM
3417	Volcanic Soil	DRI	Geological; Volcanic	PM
3418	Volcanic Soil	DRI	Geological; Volcanic	PM
3419	Volcanic Soil	DRI	Geological; Volcanic	PM
3420	Volcanic Soil	DRI	Geological; Volcanic	PM
3421	Paved Road Dust	DRI	Geological; Paved Road	PM
3422	Paved Road Dust	DRI	Geological; Paved Road	PM
3423	Paved Road Dust	DRI	Geological; Paved Road	PM
3424	Paved Road Dust	DRI	Geological; Paved Road	PM
3425	Paved Road Dust	DRI	Geological; Paved Road	PM
3426	Agriculture Soil	DRI	Geological; Agriculture	PM
3427	Agriculture Soil	DRI	Geological; Agriculture	PM
3428	Agriculture Soil	DRI	Geological; Agriculture	PM
3429	Agriculture Soil	DRI	Geological; Agriculture	PM
3430	Agriculture Soil	DRI	Geological; Agriculture	PM
3431	Paved Road Dust	DRI	Geological; Paved Road	PM
3432	Paved Road Dust	DRI	Geological; Paved Road	PM
3433	Paved Road Dust	DRI	Geological; Paved Road	PM
3434	Paved Road Dust	DRI	Geological; Paved Road	PM
3435	Paved Road Dust	DRI	Geological; Paved Road	PM
3436	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3437	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3438	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3439	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3440	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3441	Agriculture Soil	DRI	Geological; Agriculture	PM
3442	Agriculture Soil	DRI	Geological; Agriculture	PM
3443	Agriculture Soil	DRI	Geological; Agriculture	PM
3444	Agriculture Soil	DRI	Geological; Agriculture	PM
3445	Agriculture Soil	DRI	Geological; Agriculture	PM
3446	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3447	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3448	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3449	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3450	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3451	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3452	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3453	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3454	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3455	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3456	Dairy Soil	DRI	Geological; Dairy	PM
3457	Dairy Soil	DRI	Geological; Dairy	PM
3458	Dairy Soil	DRI	Geological; Dairy	PM
3459	Dairy Soil	DRI	Geological; Dairy	PM
3460	Dairy Soil	DRI	Geological; Dairy	PM
3461	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3462	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3463	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3465	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3466	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3467	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3468	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3469	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3470	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3471	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3472	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3473	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3474	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3475	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3476	Local Soil	DRI	Geological	PM
3477	Local Soil	DRI	Geological	PM
3478	Local Soil	DRI	Geological	PM
3479	Local Soil	DRI	Geological	PM
3480	Local Soil	DRI	Geological	PM
3481	Paved Road Dust	DRI	Geological; Paved Road	PM
3482	Local Soil	DRI	Geological; Construction	PM
3483	Local Soil	DRI	Geological	PM
3484	Paved Road Dust	DRI	Geological; Paved Road	PM
3485	Local Soil	DRI	Geological	PM
3486	Local Soil	DRI	Geological	PM
3487	Agriculture Soil	DRI	Geological; Agriculture	PM
3488	Agriculture Soil	DRI	Geological; Agriculture	PM
3489	Agriculture Soil	DRI	Geological; Agriculture	PM
3490	Construction Dust	DRI	Geological; Construction	PM
3491	Construction Dust	DRI	Geological; Construction	PM
3492	Construction Dust	DRI	Geological; Construction	PM
3493	Desert Soil	DRI	Geological; Desert	PM
3494	Desert Soil	DRI	Geological; Desert	PM
3495	Desert Soil	DRI	Geological; Desert	PM
3496	Agriculture Soil	DRI	Geological; Agriculture	PM
3497	Agriculture Soil	DRI	Geological; Agriculture	PM
3498	Agriculture Soil	DRI	Geological; Agriculture	PM
3499	Paved Road Dust	DRI	Geological; Paved Road	PM
3500	Paved Road Dust	DRI	Geological; Paved Road	PM
3501	Paved Road Dust	DRI	Geological; Paved Road	PM
3502	Paved Road Dust	DRI	Geological; Paved Road	PM
3503	Paved Road Dust	DRI	Geological; Paved Road	PM
3504	Paved Road Dust	DRI	Geological; Paved Road	PM
3505	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3506	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3507	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3508	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3509	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3510	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3511	Desert Soil	DRI	Geological; Desert	PM
3512	Desert Soil	DRI	Geological; Desert	PM
3513	Desert Soil	DRI	Geological; Desert	PM
3514	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3515	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3516	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3517	Gasoline Exhaust	DRI	Motor Vehicle; Gasoline	PM
3518	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3519	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3520	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3521	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3522	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3523	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3524	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3525	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3526	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3527	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3528	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3529	Regional Background	DRI	Regional Background; Non Smelter	PM
3530	Regional Background	DRI	Regional Background; Smelter	PM
3531	Unpaved Road Dust	DRI	Geological; Unpaved Road; Steel	PM
3532	Unpaved Road Dust	DRI	Geological; Unpaved Road; Steel	PM
3533	Unpaved Road Dust	DRI	Geological; Unpaved Road; Steel	PM
3534	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3535	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3536	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3537	Mill Soil	DRI	Geological; Mill	PM
3538	Mill Soil	DRI	Geological; Mill	PM
3539	Mill Soil	DRI	Geological; Mill	PM
3540	Paved Road Dust	DRI	Geological; Paved Road	PM
3541	Paved Road Dust	DRI	Geological; Paved Road	PM
3542	Paved Road Dust	DRI	Geological; Paved Road	PM
3543	Roof Dust	DRI	Geological; Roof	PM
3544	Roof Dust	DRI	Geological; Roof	PM
3545	Roof Dust	DRI	Geological; Roof	PM
3546	Industrial Soil	DRI	Geological; Steel	PM
3547	Industrial Soil	DRI	Geological; Steel	PM
3548	Industrial Soil	DRI	Geological; Steel	PM
3549	Local Soil	DRI	Geological	PM
3550	Local Soil	DRI	Geological	PM
3551	Local Soil	DRI	Geological	PM
3552	Local Soil	DRI	Geological	PM
3553	Local Soil	DRI	Geological	PM
3554	Local Soil	DRI	Geological	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3555	Local Soil	DRI	Geological	PM
3556	Local Soil	DRI	Geological	PM
3557	Local Soil	DRI	Geological	PM
3558	Paved Road Dust	DRI	Geological	PM
3559	Paved Road Dust	DRI	Geological	PM
3560	Local Soil	DRI	Geological	PM
3561	Paved Road Dust	DRI	Geological; Paved Road	PM
3562	Paved Road Dust	DRI	Geological; Paved Road	PM
3563	Local Soil	DRI	Geological	PM
3564	Local Soil	DRI	Geological	PM
3565	Paved Road Dust - Highway	DRI	Geological; Highway	PM
3566	Paved Road Dust - Highway	DRI	Geological; Highway	PM
3567	Paved Road Dust	DRI	Geological; Paved Road	PM
3568	Paved Road Dust	DRI	Geological; Paved Road	PM
3569	Local Soil	DRI	Geological	PM
3570	Local Soil	DRI	Geological	PM
3571	Local Soil	DRI	Geological	PM
3572	Local Soil	DRI	Geological	PM
3573	Paved Road Dust	DRI	Geological; Paved Road	PM
3574	Local Soil	DRI	Geological	PM
3575	Paved Road Dust	DRI	Geological; Paved Road	PM
3576	Local Soil	DRI	Geological	PM
3577	Local Soil	DRI	Geological	PM
3578	Local Soil	DRI	Geological	PM
3579	Local Soil	DRI	Geological	PM
3580	Local Soil	DRI	Geological	PM
3581	Local Soil	DRI	Geological	PM
3582	Local Soil	DRI	Geological	PM
3583	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3584	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3585	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3586	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3587	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3588	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3589	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3590	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3591	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3592	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3593	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3594	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3595	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3596	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3597	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3598	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3599	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3600	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3601	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3602	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3603	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3604	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3605	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3606	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3607	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3608	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3609	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3610	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3611	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3612	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3613	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3614	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3615	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3616	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3617	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3618	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3619	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3620	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3621	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3622	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3623	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3624	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3625	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3627	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3628	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3630	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3631	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3633	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3639	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3640	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3642	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3643	Cooking	DRI	Cooking; Charbroil	PM
3644	Cooking	DRI	Cooking; Charbroil	PM
3645	Manure Combustion	DRI	Manure Combustion; Utility	PM
3646	Manure Combustion	DRI	Manure Combustion; Utility	PM
3647	Manure Combustion	DRI	Manure Combustion; Utility	PM
3648	Manure Combustion	DRI	Manure Combustion; Utility	PM
3649	Manure Combustion	DRI	Manure Combustion; Utility	PM
3650	Fly Ash	DRI	Fly Ash; Utility	PM
3651	Fly Ash	DRI	Fly Ash; Utility	PM
3652	Oil Combustion	DRI	Oil Combustion; Glass	PM
3653	Fly Ash	DRI	Fly Ash; Glass	PM
3654	Fly Ash	DRI	Fly Ash; Utility	PM
3655	Fly Ash	DRI	Fly Ash; Utility	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3656	Fly Ash	DRI	Fly Ash; Lime	PM
3657	Fly Ash	DRI	Fly Ash	PM
3658	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3659	Local Soil	DRI	Geological	PM
3660	Local Soil	DRI	Geological	PM
3661	Paved Road Dust	DRI	Geological; Tunnel; Paved Road	PM
3662	Paved Road Dust	DRI	Geological; Tunnel; Paved Road	PM
3663	Fly Ash	DRI	Geological; Fly Ash	PM
3664	Cement	DRI	Geological; Cement	PM
3665	Sand	DRI	Geological	PM
3666	Paved Road Dust	DRI	Geological; Paved Road	PM
3667	Paved Road Dust	DRI	Geological; Paved Road	PM
3668	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3669	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3670	Local Soil	DRI	Geological	PM
3671	Local Soil	DRI	Geological	PM
3672	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3673	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3674	Local Soil	DRI	Geological	PM
3675	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3676	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3677	Cement	DRI	Geological; Cement	PM
3678	Local Soil	DRI	Geological	PM
3679	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3680	Paved Road Dust	DRI	Geological; Paved Road	PM
3681	Local Soil	DRI	Geological	PM
3682	Local Soil	DRI	Geological	PM
3683	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3684	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3685	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3686	Coal Combustion	DRI	Coal Combustion; Utility	PM
3687	Coal Combustion	DRI	Coal Combustion; Utility	PM
3688	Coal Combustion	DRI	Coal Combustion; Utility	PM
3689	Coal Combustion	DRI	Coal Combustion; Utility	PM
3690	Coal Combustion	DRI	Coal Combustion; Utility	PM
3691	Coal Combustion	DRI	Coal Combustion; Utility	PM
3692	Coal Combustion	DRI	Coal Combustion; Utility	PM
3693	Coal Combustion	DRI	Coal Combustion; Utility	PM
3694	Coal Combustion	DRI	Coal Combustion; Utility	PM
3695	Coal Combustion	DRI	Coal Combustion; Utility	PM
3696	Coal Combustion	DRI	Coal Combustion; Utility	PM
3697	Coal Combustion	DRI	Coal Combustion; Utility	PM
3698	Coal Combustion	DRI	Coal Combustion; Utility	PM
3699	Coal Combustion	DRI	Coal Combustion; Utility	PM
3700	Coal Combustion	DRI	Coal Combustion; Utility	PM
3701	Coal Combustion	DRI	Coal Combustion; Utility	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3702	Local Soil	DRI	Geological	PM
3703	Local Soil	DRI	Geological	PM
3704	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3705	Paved Road Dust	DRI	Geological; Paved Road	PM
3706	Paved Road Dust	DRI	Geological; Paved Road	PM
3707	Paved Road Dust	DRI	Geological; Paved Road	PM
3708	Paved Road Dust	DRI	Geological; Paved Road	PM
3709	Local Soil	DRI	Geological	PM
3710	Local Soil	DRI	Geological	PM
3711	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3712	Local Soil	DRI	Geological	PM
3713	Paved Road Dust	DRI	Geological	PM
3714	Paved Road Dust	DRI	Geological; Paved Road	PM
3715	Paved Road Dust	DRI	Geological; Paved Road	PM
3716	Paved Road Dust	DRI	Geological; Paved Road	PM
3717	Local Soil	DRI	Geological	PM
3718	Paved Road Dust	DRI	Geological; Paved Road	PM
3719	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3720	Geothermal Background	DRI	Background; Geothermal	PM
3721	Geothermal Background	DRI	Background; Geothermal	PM
3722	Geothermal Background	DRI	Background; Geothermal	PM
3723	Geothermal Background	DRI	Background; Geothermal	PM
3724	Geothermal Background	DRI	Background; Geothermal	PM
3725	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3726	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3727	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3728	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3729	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3730	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3731	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3732	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3733	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3734	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3735	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3736	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3737	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3738	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3739	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3740	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3741	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3742	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3754	Regional Background	DRI	Regional Background	PM
3755	Regional Background	DRI	Regional Background	PM
3756	Regional Background	DRI	Regional Background	PM
3757	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3758	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3759	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3760	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3761	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3762	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3763	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3764	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3765	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3766	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3767	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3768	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3769	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3770	Residential Wood Burning	DRI	Vegetative Burning	PM
3771	Construction Dust	DRI	Geological; Construction	PM
3772	Construction Dust	DRI	Geological; Construction	PM
3773	Construction Dust	DRI	Geological; Construction	PM
3774	Construction Dust	DRI	Geological; Construction	PM
3775	Construction Dust	DRI	Geological; Construction	PM
3776	Construction Dust	DRI	Geological; Construction	PM
3777	Desert Soil	DRI	Geological; Desert	PM
3778	Local Soil	DRI	Geological	PM
3779	Paved Road Dust	DRI	Geological; Paved Road	PM
3780	Paved Road Dust	DRI	Geological; Paved Road	PM
3781	Paved Road Dust	DRI	Geological; Paved Road	PM
3782	Paved Road Dust	DRI	Geological; Paved Road	PM
3783	Paved Road Dust	DRI	Geological; Paved Road	PM
3784	Paved Road Dust	DRI	Geological; Paved Road	PM
3785	Paved Road Dust	DRI	Geological; Paved Road	PM
3786	Paved Road Dust	DRI	Geological; Paved Road	PM
3787	Paved Road Dust	DRI	Geological; Paved Road	PM
3788	Paved Road Dust	DRI	Geological; Paved Road	PM
3789	Paved Road Dust	DRI	Geological; Paved Road	PM
3790	Desert Soil	DRI	Geological; Desert	PM
3791	Desert Soil	DRI	Geological; Desert	PM
3792	Desert Soil	DRI	Geological; Desert	PM
3793	Desert Soil	DRI	Geological; Desert	PM
3794	Desert Soil	DRI	Geological; Desert	PM
3795	Desert Soil	DRI	Geological; Desert	PM
3796	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3797	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3798	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3799	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3800	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3801	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3802	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3803	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3804	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3805	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3806	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3807	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3808	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3809	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3810	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3811	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3812	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3813	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3814	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3815	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3816	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3817	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3818	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3819	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3820	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3821	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3822	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3823	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3824	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3825	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3826	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3827	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3828	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3829	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3830	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3831	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3832	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3833	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3834	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3835	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3836	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3837	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3838	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3839	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3840	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3841	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3842	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3843	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3844	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3845	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3846	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3847	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3848	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3849	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3850	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3851	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3852	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3853	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3854	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3855	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3856	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3857	Gasoline Exhaust	DRI	Motor Vehicle; Gasoline	PM
3858	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3859	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3860	Helicopter Exhaust	DRI	Aircraft; Helicopter	PM
3861	Aircraft Exhaust	DRI	Aircraft	PM
3862	Oil Combustion	DRI	Oil Combustion; Diesel	PM
3863	Oil Combustion	DRI	Oil Combustion; Diesel	PM
3864	Oil Combustion	DRI	Oil Combustion; Diesel	PM
3865	Local Soil	DRI	Geological	PM
3866	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3867	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3868	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3869	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3870	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3871	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3872	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3873	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3874	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3875	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3876	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3877	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3878	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3879	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3880	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3881	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3882	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3883	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3884	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3885	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3886	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3887	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3888	Gasoline Exhaust - Winter, low emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3889	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3890	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3891	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3892	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3893	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3894	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3895	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3896	Gasoline Exhaust - Winter, high emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3897	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3898	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3899	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3900	Gasoline Exhaust - Winter, non-smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3901	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3902	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3903	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3904	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3905	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3906	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3907	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3908	Gasoline Exhaust - Winter, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3909	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3910	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3911	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3912	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3913	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3914	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3915	Cooking	DRI	Cooking	PM
3916	Cooking	DRI	Cooking; Hamburger	PM
3917	Cooking	DRI	Cooking; Hamburger	PM
3918	Cooking	DRI	Cooking; Chicken	PM
3919	Cooking	DRI	Cooking; Steak	PM
3920	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3921	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3922	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3923	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3924	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3925	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3926	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3927	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3928	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3929	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3930	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3931	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3932	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3933	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3934	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3935	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3936	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3937	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3938	Paved Road Dust	DRI	Geological; Paved Road	PM
3939	Paved Road Dust	DRI	Geological; Paved Road	PM
3940	Paved Road Dust	DRI	Geological; Paved Road	PM
3941	Paved Road Dust	DRI	Geological; Paved Road	PM
3942	Paved Road Dust	DRI	Geological; Paved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3943	Paved Road Dust	DRI	Geological; Paved Road	PM
3944	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3945	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3946	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3947	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3948	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3949	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3950	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3951	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3952	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3953	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3954	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3955	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3956	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3957	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3958	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3959	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3960	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3961	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3962	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3963	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3964	Oil Refinery Deposition	DRI	Geological; Oil Refinery	PM
3965	Oil Refinery Deposition	DRI	Geological; Oil Refinery	PM
3966	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3967	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3968	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3969	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3970	Paved Road Dust	DRI	Geological; Paved Road	PM
3971	Paved Road Dust	DRI	Geological; Paved Road	PM
3972	Local Soil	DRI	Geological	PM
3973	Local Soil	DRI	Geological	PM
3974	Paved Road Dust	DRI	Geological; Paved Road	PM
3975	Paved Road Dust	DRI	Geological; Paved Road	PM
3976	Paved Road Dust	DRI	Geological; Paved Road	PM
3977	Paved Road Dust	DRI	Geological; Paved Road	PM
3978	Industrial Dust	DRI	Geological; Refuse-Derived Fuel	PM
3979	Industrial Dust	DRI	Geological; Refuse-Derived Fuel	PM
3980	Salting Material	DRI	Geological; Salting	PM
3981	Salting Material	DRI	Geological; Salting	PM
3982	Forest Soil	DRI	Geological; Forest	PM
3984	Fly Ash	DRI	Geological; Fly Ash	PM
3985	Fly Ash	DRI	Geological; Fly Ash	PM
3986	Industrial Fly Ash	DRI	Fly Ash; Utility	PM
3987	Industrial Fly Ash	DRI	Fly Ash; Utility	PM
3988	Industrial Soil	DRI	Geological; Steel	PM
3989	Industrial Soil	DRI	Geological; Steel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3990	Industrial Soil	DRI	Geological; Steel	PM
3991	Industrial Soil	DRI	Geological; Steel	PM
3992	Industrial Soil	DRI	Geological; Steel	PM
3993	Industrial Soil	DRI	Geological; Steel	PM
3994	Local Soil	DRI	Geological	PM
3995	Local Soil	DRI	Geological	PM
3996	Industrial Soil	DRI	Geological; Steel	PM
3997	Industrial Soil	DRI	Geological; Steel	PM
3998	Lime Kiln	DRI	Lime Kiln	PM
3999	Lime Kiln	DRI	Lime Kiln	PM
4000	Gasoline Exhaust - Leaded	DRI	Motor Vehicle; Leaded Gasoline	PM
4001	Gasoline Exhaust - Leaded	DRI	Motor Vehicle; Leaded Gasoline	PM
4002	Paper Waste Burning	DRI	Paper Waste Burning	PM
4003	Paper Waste Burning	DRI	Paper Waste Burning	PM
4004	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4005	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4006	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4007	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4008	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4009	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4010	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4011	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4012	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
4013	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
4014	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4015	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4016	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4017	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4018	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4019	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4020	Cooking	DRI	Cooking	PM
4021	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4022	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4023	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4024	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4026	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4027	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4028	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4029	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4030	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4031	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4032	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4033	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4034	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4035	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4036	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4037	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4038	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4039	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4040	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4041	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4042	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4043	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4044	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4045	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4046	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4047	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4048	Cooking	DRI	Cooking; Chicken	PM
4049	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4050	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4051	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4052	Cooking	DRI	Cooking	PM
4053	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4054	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4055	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4056	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4057	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4058	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4059	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4060	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4061	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4062	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4063	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4064	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4065	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4066	Paved Road Dust	DRI	Geological; Paved Road	PM
4067	Paved Road Dust	DRI	Geological; Paved Road	PM
4068	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4069	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4070	Agriculture Soil	DRI	Geological; Agriculture	PM
4071	Agriculture Soil	DRI	Geological; Agriculture	PM
4072	Farm Soil	DRI	Geological; Grain Storage	PM
4073	Farm Soil	DRI	Geological; Grain Storage	PM
4074	Local Soil	DRI	Geological	PM
4075	Local Soil	DRI	Geological	PM
4076	Marble	DRI	Geological; Marble	PM
4077	Marble	DRI	Geological; Marble	PM
4078	Fly Ash	DRI	Geological; Fly Ash	PM
4079	Fly Ash	DRI	Geological; Fly Ash	PM
4080	Landfill Material	DRI	Geological	PM
4081	Landfill Material	DRI	Geological	PM
4082	Asphalt	DRI	Geological; Asphalt	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4083	Asphalt	DRI	Geological; Asphalt	PM
4084	Cement	DRI	Geological; Cement	PM
4085	Cement	DRI	Geological; Cement	PM
4086	Cement	DRI	Geological; Cement	PM
4087	Cement	DRI	Geological; Cement	PM
4088	Volcanic Soil	DRI	Geological; volcanic	PM
4089	Volcanic Soil	DRI	Geological; volcanic	PM
4090	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4091	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4092	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4093	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4094	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4095	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4096	Unpaved Park Dust	DRI	Geological	PM
4097	Unpaved Park Dust	DRI	Geological	PM
4098	Unpaved Park Dust	DRI	Geological	PM
4099	Unpaved Park Dust	DRI	Geological	PM
4100	Paved Road Dust	DRI	Geological; Paved Road	PM
4101	Paved Road Dust	DRI	Geological; Paved Road	PM
4102	Paved Road Dust	DRI	Geological; Paved Road	PM
4103	Paved Road Dust	DRI	Geological; Paved Road	PM
4104	Paved Road Dust	DRI	Geological; Paved Road	PM
4105	Paved Road Dust	DRI	Geological; Paved Road	PM
4106	Road Dirt	DRI	Geological	PM
4107	Road Dirt	DRI	Geological	PM
4108	Cooking	DRI	Cooking; Pork	PM
4109	Cooking	DRI	Cooking; Pork	PM
4110	Cooking	DRI	Cooking	PM
4111	Cooking	DRI	Cooking	PM
4112	Agriculture Soil	DRI	Geological; Agriculture	PM
4113	Agriculture Soil	DRI	Geological; Agriculture	PM
4114	Agriculture Soil	DRI	Geological; Agriculture	PM
4115	Agriculture Soil	DRI	Geological; Agriculture	PM
4116	Agriculture Soil	DRI	Geological; Agriculture	PM
4117	Agriculture Soil	DRI	Geological; Agriculture	PM
4118	Agriculture Soil	DRI	Geological; Agriculture	PM
4119	Agriculture Soil	DRI	Geological; Agriculture	PM
4120	Agriculture Soil	DRI	Geological; Agriculture	PM
4121	Agriculture Soil	DRI	Geological; Agriculture	PM
4122	Agriculture Soil	DRI	Geological; Agriculture	PM
4123	Agriculture Soil	DRI	Geological; Agriculture	PM
4124	Agriculture Soil	DRI	Geological; Agriculture	PM
4125	Agriculture Soil	DRI	Geological; Agriculture	PM
4126	Agriculture Soil	DRI	Geological; Agriculture	PM
4127	Agriculture Soil	DRI	Geological; Agriculture	PM
4128	Agriculture Soil	DRI	Geological; Agriculture	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4129	Agriculture Soil	DRI	Geological; Agriculture	PM
4130	Agriculture Soil	DRI	Geological; Agriculture	PM
4131	Agriculture Soil	DRI	Geological; Agriculture	PM
4132	Dairy Soil	DRI	Geological; Dairy	PM
4133	Dairy Soil	DRI	Geological; Dairy	PM
4134	Feedlot Soil	DRI	Geological; Feedlot	PM
4135	Feedlot Soil	DRI	Geological; Feedlot	PM
4136	Salting Material	DRI	Geological; Salting	PM
4137	Salting Material	DRI	Geological; Salting	PM
4138	Agriculture Soil	DRI	Geological; Agriculture	PM
4139	Agriculture Soil	DRI	Geological; Agriculture	PM
4140	Agriculture Soil	DRI	Geological; Agriculture	PM
4141	Agriculture Soil	DRI	Geological; Agriculture	PM
4142	Agriculture Soil	DRI	Geological; Agriculture	PM
4143	Agriculture Soil	DRI	Geological; Agriculture	PM
4144	Agriculture Soil	DRI	Geological; Agriculture	PM
4145	Agriculture Soil	DRI	Geological; Agriculture	PM
4146	Agriculture Soil	DRI	Geological; Agriculture	PM
4147	Agriculture Soil	DRI	Geological; Agriculture	PM
4148	Agriculture Soil	DRI	Geological; Agriculture	PM
4149	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4150	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4151	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4152	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4153	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4154	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4155	Paved Road Dust	DRI	Geological; Paved Road	PM
4156	Paved Road Dust	DRI	Geological; Paved Road	PM
4157	Paved Road Dust	DRI	Geological; Paved Road	PM
4158	Construction Dust	DRI	Geological; Construction	PM
4159	Construction Dust	DRI	Geological; Construction	PM
4160	Staging Area Soil	DRI	Geological; Staging	PM
4161	Agriculture Soil	DRI	Geological; Agriculture	PM
4162	Agriculture Soil	DRI	Geological; Agriculture	PM
4163	Agriculture Soil	DRI	Geological; Agriculture	PM
4164	Agriculture Soil	DRI	Geological; Agriculture	PM
4165	Agriculture Soil	DRI	Geological; Agriculture	PM
4166	Agriculture Soil	DRI	Geological; Agriculture	PM
4167	Agriculture Soil	DRI	Geological; Agriculture	PM
4168	Paved Road Dust	DRI	Geological; Paved Road	PM
4169	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4170	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4171	Agriculture Soil	DRI	Geological; Agriculture	PM
4172	Agriculture Soil	DRI	Geological; Agriculture	PM
4173	Agriculture Soil	DRI	Geological; Agriculture	PM
4174	Agriculture Soil	DRI	Geological; Agriculture	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4175	Agriculture Soil	DRI	Geological; Agriculture	PM
4176	Dairy Soil	DRI	Geological; Dairy	PM
4177	Feedlot Soil	DRI	Geological; Feedlot	PM
4178	Paved Road Dust	DRI	Geological; Paved Road	PM
4179	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4180	Agriculture Soil	DRI	Geological; Agriculture	PM
4181	Dairy Soil	DRI	Geological; Dairy	PM
4182	Salting Material	DRI	Geological; Salting	PM
4183	Construction Dust	DRI	Geological; Construction	PM
4202	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline	PM
4203	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4204	Paved Road Dust	DRI	Geological; Paved Road	PM
4205	Paved Road Dust	DRI	Geological; Paved Road	PM
4206	Paved Road Dust	DRI	Geological; Paved Road	PM
4207	Paved Road Dust	DRI	Geological; Paved Road	PM
4208	Paved Road Dust	DRI	Geological; Paved Road	PM
4209	Paved Road Dust	DRI	Geological; Paved Road	PM
4210	Paved Road Dust	DRI	Geological; Paved Road	PM
4211	Paved Road Dust	DRI	Geological; Paved Road	PM
4212	Paved Road Dust	DRI	Geological; Paved Road	PM
4213	Paved Road Dust	DRI	Geological; Paved Road	PM
4214	Paved Road Dust	DRI	Geological; Paved Road	PM
4215	Paved Road Dust	DRI	Geological; Paved Road	PM
4216	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4217	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4218	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4219	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4220	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4221	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4222	Local Soil	DRI	Geological	PM
4223	Local Soil	DRI	Geological	PM
4224	Local Soil	DRI	Geological	PM
4225	Local Soil	DRI	Geological	PM
4226	Local Soil	DRI	Geological	PM
4227	Local Soil	DRI	Geological	PM
4228	Local Soil	DRI	Geological	PM
4229	Local Soil	DRI	Geological	PM
4230	Local Soil	DRI	Geological	PM
4231	Local Soil	DRI	Geological	PM
4232	Local Soil	DRI	Geological	PM
4233	Local Soil	DRI	Geological	PM
4234	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4235	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4236	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4237	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4238	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4239	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4240	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4241	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4242	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4243	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4244	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4245	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4246	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4247	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4248	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4249	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4250	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4251	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4252	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4253	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4254	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4255	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4256	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4257	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4258	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4259	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4260	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4261	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4262	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4263	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4264	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4265	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4266	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4267	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4268	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4269	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4270	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4271	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4272	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4273	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4274	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4275	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4276	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4277	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4278	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4279	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4280	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4281	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4282	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4283	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4284	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4285	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4287	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4288	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4289	Coal Combustion	DRI	Coal Combustion; Utility	PM
4290	Coal Combustion	DRI	Coal Combustion; Utility	PM
4291	Coal Combustion	DRI	Coal Combustion; Utility	PM
4292	Coal Combustion	DRI	Coal Combustion; Utility	PM
4293	Coal Combustion	DRI	Coal Combustion; Utility	PM
4294	Coal Combustion	DRI	Coal Combustion; Utility	PM
4295	Coal Combustion	DRI	Coal Combustion; Utility	PM
4296	Coal Combustion	DRI	Coal Combustion; Utility	PM
4297	Coal Combustion	DRI	Coal Combustion; Utility	PM
4298	Coal Combustion	DRI	Coal Combustion; Utility	PM
4299	Coal Combustion	DRI	Coal Combustion; Utility	PM
4300	Coal Combustion	DRI	Coal Combustion; Utility	PM
4301	Coal Combustion	DRI	Coal Combustion; Utility	PM
4302	Coal Combustion	DRI	Coal Combustion; Utility	PM
4303	Coal Combustion	DRI	Coal Combustion; Utility	PM
4304	Coal Combustion	DRI	Coal Combustion; Utility	PM
4305	Coal Combustion	DRI	Coal Combustion; Utility	PM
4306	Coal Combustion	DRI	Coal Combustion; Utility	PM
4307	Coal Combustion	DRI	Coal Combustion; Utility	PM
4308	Coal Combustion	DRI	Coal Combustion; Utility	PM
4309	Coal Combustion	DRI	Coal Combustion; Utility	PM
4310	Coal Combustion	DRI	Coal Combustion; Utility	PM
4311	Coal Combustion	DRI	Coal Combustion; Utility	PM
4312	Coal Combustion	DRI	Coal Combustion; Utility	PM
4313	Coal Combustion	DRI	Coal Combustion; Utility	PM
4314	Coal Combustion	DRI	Coal Combustion; Utility	PM
4315	Fly Ash	DRI	Fly Ash; Utility	PM
4316	Fly Ash	DRI	Fly Ash; Utility	PM
4317	Fly Ash	DRI	Fly Ash; Utility	PM
4318	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4319	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4320	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4321	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4322	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4323	Cement Kiln	DRI	Cement Kiln	PM
4324	Cement Kiln	DRI	Cement Kiln	PM
4325	Cement Kiln	DRI	Cement Kiln	PM
4326	Cement Kiln	DRI	Cement Kiln	PM
4327	Cement Kiln	DRI	Cement Kiln	PM
4328	Cement Kiln	DRI	Cement Kiln	PM
4329	Cement Kiln	DRI	Cement Kiln	PM
4330	Cement Kiln	DRI	Cement Kiln	PM
4331	Cement Kiln	DRI	Cement Kiln	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4332	Cement Kiln	DRI	Cement Kiln	PM
4333	Cement Kiln	DRI	Cement Kiln	PM
4334	Cooking	DRI	Cooking; Chicken	PM
4335	Cooking	DRI	Cooking; Chicken	PM
4336	Cooking	DRI	Cooking; Chicken	PM
4337	Cooking	DRI	Cooking; Chicken	PM
4338	Cooking	DRI	Cooking; Chicken	PM
4339	Cooking	DRI	Cooking; Chicken	PM
4340	Cooking	DRI	Cooking; Chicken	PM
4341	Cooking	DRI	Cooking; Chicken	PM
4342	Cooking	DRI	Cooking; Chicken	PM
4343	Cooking	DRI	Cooking; Hamburger	PM
4344	Cooking	DRI	Cooking; Hamburger	PM
4345	Cooking	DRI	Cooking; Steak	PM
4346	Paved Road Dust	DRI	Geological; Paved Road	PM
4347	Paved Road Dust	DRI	Geological; Paved Road	PM
4348	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4349	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4350	Local Soil	DRI	Geological	PM
4351	Local Soil	DRI	Geological	PM
4352	Local Soil	DRI	Geological	PM
4353	Local Soil	DRI	Geological	PM
4354	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4355	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4356	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4357	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4358	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4359	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4360	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4361	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4362	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4363	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4364	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4365	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4366	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4367	Coal Combustion	DRI	Coal Combustion; Utility	PM
4368	Coal Combustion	DRI	Coal Combustion; Utility	PM
4369	Coal Combustion	DRI	Coal Combustion; Utility	PM
4370	Coal Combustion	DRI	Coal Combustion; Utility	PM
4371	Coal Combustion	DRI	Coal Combustion; Utility	PM
4373	Coal Combustion	DRI	Coal Combustion; Utility	PM
4374	Fly Ash	DRI	Fly Ash; Utility	PM
4375	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4376	Cement Kiln	DRI	Cement Kiln	PM
4377	Cement Kiln	DRI	Cement Kiln	PM
4378	Cement Kiln	DRI	Cement Kiln	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4379	Cooking	DRI	Cooking; Chicken	PM
4380	Cooking	DRI	Cooking; Chicken	PM
4381	Cooking	DRI	Cooking; Chicken	PM
4382	Cooking	DRI	Cooking; Hamburger	PM
4383	Cooking	DRI	Cooking; Hamburger	PM
4384	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4385	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4386	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4387	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4388	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4389	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4390	Residential Vegetative Burning	DRI	Vegetative Burning; Fireplace	PM
4391	Residential Vegetative Burning	DRI	Vegetative Burning; Fireplace	PM
4392	Residential Vegetative Burning	DRI	Vegetative Burning; Fireplace	PM
4393	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4394	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4395	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4396	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4397	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4398	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4399	Oil Refinery	DRI	Oil Refinery	PM
4400	Oil Refinery	DRI	Oil Refinery	PM
4401	Oil Refinery	DRI	Oil Refinery	PM
4402	Oil Refinery	DRI	Oil Refinery	PM
4403	Oil Refinery	DRI	Oil Refinery	PM
4404	Oil Refinery	DRI	Oil Refinery	PM
4405	Oil Refinery	DRI	Oil Refinery	PM
4406	Oil Refinery	DRI	Oil Refinery	PM
4407	Oil Refinery	DRI	Oil Refinery	PM
4408	Oil Refinery	DRI	Oil Refinery	PM
4409	Oil Refinery	DRI	Oil Refinery	PM
4410	Oil Refinery	DRI	Oil Refinery	PM
4411	Oil Refinery	DRI	Oil Refinery	PM
4412	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4413	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4414	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4415	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4463	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4464	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4465	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4466	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4467	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4468	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4554	Meat charbroiling emissions	Literature-Schauer	Meat charbroiling; natural gas-fired charbroiling; hamburger charbroiling	PM
4558	Vehicle exhaust - gasoline - Catalyst	Literature-Schauer	gasoline vehicle exhaust	PM
4559	Vehicle exhaust - gasoline - Noncatalyst	Literature-Schauer	gasoline vehicle exhaust	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4643	Residential Wood Combustion	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	PM
4644	Residential Wood Combustion	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	PM
4645	Residential Wood Combustion	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	PM
4653	Cooking vegetables - Stir frying in soybean oil	Literature-Schauer	Cooking vegetables; Stir frying	PM
4654	Cooking vegetables - Stir frying in canola oil	Literature-Schauer	Cooking vegetables; Stir frying	PM
4655	Cooking potatoes - Deep frying in hydrogenated oil	Literature-Schauer	Cooking potatoes; Deep frying	PM
4656	Paved road dust fine particulate matters - Long Beach	Literature-Schauer	road dust fine particles	PM
4657	Paved road dust fine particulate matters - Central Los Angel	Literature-Schauer	road dust fine particles	PM
4658	Paved road dust fine particulate matters - Roubidoux	Literature-Schauer	road dust fine particles	PM
4660	Cigarette Smoke	Literature-Schauer	cigarette smoke	PM
4663	Industrial surface coating operations - water based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating water-based	PM
4664	Industrial surface coating operations - oil based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating oil-based	PM
4675	Medium duty trucks - diesel	Literature-Schauer	diesel truck exhaust; motor vehicles	PM
4704	Wood-fired Industrial Boiler - NWWAS	EPA APPCD	Wood-Fired Industrial Boiler	PM
4705	Wood-fired Industrial Boiler - sampled without denuder	EPA APPCD	Wood-Fired Industrial Boiler	PM
4706	Food & Ag - Drying (Rice Dryer)	KVB0007	Food & Ag - Drying; Rice Dryer	PM
4707	Steel Abrasive Blasting	KVB0010	Steel cleaning; Abrasive Blasting	PM
4708	Fiberglass Manufacture	KVB0018	Fiberglass Wool Manufacturing	PM
4709	Wood Operation - Resawing	KVB0025	Wood Operation; Resawing	PM
4718	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4719	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4720	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4721	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4722	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4733	External Combustion - Pulp and Paper Mills Kraft Precess Recovery Boiler	EPA APPCD	Paper Mills; Boiler	PM
4734	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Paper Mills; Boiler	PM
4735	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Paper Mills; Boiler	PM
4736	Distillate Oil Combustion	EPA APPCD	Distillate Oil Combustion	PM
4737	Residual Oil Combustion	EPA APPCD	Residual Oil Combustion	PM
4746	Diesel Exhaust - Bus at -10 oC, 4-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 4-stroke; Oxidation catalyst	PM
4747	Diesel Exhaust - Bus at 20 oC, 4-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 4-stroke; Oxidation catalyst	PM
4748	Diesel Exhaust - Bus at -10 oC, 2-stroke	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke	PM
4749	Diesel Exhaust - Bus at 20 oC, 2-stroke	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke	PM
4750	Diesel Exhaust - Bus at -10 oC, 2-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke; Oxidation catalyst	PM
4751	Diesel Exhaust - Bus at 20 oC, 2-stroke, oxidation catalyst	Environment Canada	Diesel Exhaust; Diesel Bus; 2-stroke; Oxidation catalyst	PM
4840	Agricultural Burning - Rice Straw	EPA APPCD	Agricultural Burning; Rice Straw	PM
4841	Agricultural Burning - Wheat Straw	EPA APPCD	Agricultural Burning; Wheat Straw	PM
4842	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4843	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4844	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4845	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4846	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4847	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4848	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4849	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4850	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4851	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4852	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4853	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4854	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4855	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4856	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4857	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4858	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4859	Diesel Exhaust - Transit Bus	DOE NREL	Diesel Exhaust; Transit Bus; Diesel PM; Heavy Duty Vehicle	PM
4860	Diesel Exhaust - Transit Bus	DOE NREL	Diesel Exhaust; Transit Bus; Diesel PM; Heavy Duty Vehicle	PM
4861	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4862	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4863	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4864	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4865	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4866	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4867	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4868	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4869	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4870	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4871	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4872	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4873	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4874	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4875	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4876	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4877	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4878	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4879	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4880	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4881	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4882	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4883	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4884	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4885	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4886	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4887	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4888	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4889	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4890	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4891	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4892	Diesel Exhaust - Transit Bus	DOE NREL	Diesel Exhaust; Transit Bus; Diesel PM; Heavy Duty Vehicle	PM
4893	Diesel Exhaust - Transit Bus	DOE NREL	Diesel Exhaust; Transit Bus; Diesel PM; Heavy Duty Vehicle	PM
4894	Diesel Exhaust	DOE NREL	Diesel Exhaust; Diesel PM; Heavy Duty Vehicle	PM
4895	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4896	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4897	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4898	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4899	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4900	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4901	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4902	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4903	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4904	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4905	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4906	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4907	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4908	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4909	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4910	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4911	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4912	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4913	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4914	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4915	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4916	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4917	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4918	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4919	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4920	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4921	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4922	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4923	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4924	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4925	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4926	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4927	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4928	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4929	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4930	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4931	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4932	Light Duty Vehicle Exhaust - Gasoline	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM	PM
4933	Light Duty Vehicle Exhaust - Gasoline; intermittent smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Intermittent Smoker	PM
4934	Light Duty Vehicle Exhaust - Gasoline; light smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Light Smoker	PM
4935	Light Duty Vehicle Exhaust - Gasoline; intermittent smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Intermittent Smoker	PM
4936	Light Duty Vehicle Exhaust - Gasoline; light smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Light Smoker	PM
4937	Light Duty Vehicle Exhaust - Gasoline; heavy smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Heavy Smoker	PM
4938	Light Duty Vehicle Exhaust - Gasoline; intermittent smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Intermittent Smoker	PM
4939	Light Duty Vehicle Exhaust - Gasoline; light smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Light Smoker	PM
4940	Light Duty Vehicle Exhaust - Gasoline; intermittent smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Intermittent Smoker	PM
4941	Light Duty Vehicle Exhaust - Gasoline; light smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Light Smoker	PM
4942	Light Duty Vehicle Exhaust - Gasoline; heavy smoker	DOE NREL	Gasoline Vehicle Exhaust; Gasoline Vehicle PM; Heavy Smoker	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4943	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4944	Diesel Exhaust - Heavy-heavy duty truck - CARB CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CREEP	PM
4945	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4946	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4947	Diesel Exhaust - Heavy-heavy duty truck - CARB LONG IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB LONG IDLE	PM
4948	Diesel Exhaust - Heavy-heavy duty truck - CARB LONG CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB LONG CREEP	PM
4949	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4950	Diesel Exhaust - Heavy-heavy duty truck - CARB CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CREEP	PM
4951	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4952	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4953	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	PM
4954	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	PM
4955	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	PM
4956	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	PM
4957	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4958	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4959	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED IDLE	PM
4960	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED CREEP	PM
4961	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4962	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4963	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED IDLE	PM
4964	Diesel Exhaust - Heavy-heavy duty truck - CARB CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CREEP	PM
4965	Diesel Exhaust - Heavy-heavy duty truck - CARB UDDS	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB UDDS	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4966	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4967	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4968	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED CREEP	PM
4969	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4970	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4971	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED CREEP	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED CREEP	PM
4972	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4973	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4974	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4975	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4976	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4977	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4978	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4979	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4980	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4981	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	PM
4982	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4983	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4984	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4985	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4986	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4987	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4988	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4989	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4990	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4991	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4992	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4993	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	PM
4994	Diesel Exhaust - Medium-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Medium-heavy duty truck; CARB TRANSIENT	PM
4995	Diesel Exhaust - Medium-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Medium-heavy duty truck; CARB TRANSIENT	PM
4996	Diesel Exhaust - Medium-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Medium-heavy duty truck; CARB CRUISE	PM
4997	Diesel Exhaust - Medium-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Medium-heavy duty truck; CARB CRUISE	PM
4998	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
4999	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5000	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5001	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5002	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5003	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5004	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5005	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5006	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5007	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	PM
5008	Brake Wear - semimetallic (steel fiber)	ES&T	Brake Wear; Motor Vehicle	PM
5009	Brake Wear - potassium titanate, aramid, and copper fiber	ES&T	Brake Wear; Motor Vehicle	PM
5010	Brake Wear - aramid, mineral, and copper fiber	ES&T	Brake Wear; Motor Vehicle	PM
5011	Brake Wear - semimetallic, (steel fiber)	ES&T	Brake Wear; Motor Vehicle	PM
5012	Brake Wear - semimetallic, (steel fiber)	ES&T	Brake Wear; Motor Vehicle	PM
5013	Brake Wear - potassium titanate, aramid, and copper fiber	ES&T	Brake Wear; Motor Vehicle	PM
5014	Brake Wear - non-asbestos organic	ES&T	Brake Wear; Motor Vehicle	PM
5015	Brake Wear - semimetallic	ES&T	Brake Wear; Motor Vehicle	PM
5016	Brake Wear - low metallic	ES&T	Brake Wear; Motor Vehicle	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5017	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5018	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5019	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5020	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5021	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5022	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5023	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5024	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5025	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5026	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5027	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5028	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5029	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5030	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5031	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5032	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5033	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5034	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5035	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5036	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5037	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5038	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5039	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5040	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5041	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5042	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5043	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5045	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5046	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5047	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5048	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5049	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5050	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5051	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5052	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5053	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5055	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5056	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5057	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5058	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5059	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5060	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5061	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5062	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5063	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5064	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5065	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5066	Hazardous Waste Incineration - Light Weight Aggregate Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Light Weight Aggregate Kiln	PM
5067	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5068	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5069	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5070	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5071	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5072	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5073	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5074	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5075	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5077	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5078	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5079	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5081	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5082	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5083	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5084	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5085	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5086	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5087	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5088	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5089	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5090	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5091	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5092	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5093	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5094	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5095	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5096	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5097	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5098	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5099	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5100	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5101	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5102	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5103	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5104	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5105	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5106	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5107	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5108	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5109	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5110	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5111	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5112	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5113	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5114	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5115	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5116	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5117	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5118	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5119	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5120	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5121	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5122	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5123	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5124	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5125	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5126	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5127	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5128	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5129	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5130	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5131	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5132	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5133	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5135	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5136	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5137	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5138	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5139	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5140	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5141	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5142	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5143	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5144	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5145	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5146	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5147	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5148	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5149	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5150	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5151	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5152	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5153	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5154	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5155	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5156	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5157	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5159	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5160	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5161	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5162	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5163	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5164	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5165	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5166	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5167	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5168	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5169	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5170	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5171	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5172	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5173	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5174	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5175	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5176	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5177	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5178	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5180	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5181	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5182	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5183	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5184	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5185	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5186	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5187	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5188	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5189	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5190	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5191	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5192	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5193	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5194	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5195	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5196	Hazardous Waste Incineration - HCl Production Furnace	EPA, 2002 NEI	Hazardous Waste Incineration; HCl Production Furnace	PM
5197	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5198	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5199	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5200	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5201	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5202	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5203	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5204	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5206	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5207	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5208	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5209	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5210	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5211	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5212	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5213	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5214	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5215	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5216	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5217	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5218	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5219	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5220	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5221	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5222	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5223	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5224	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5225	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5226	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5227	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5228	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5229	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5230	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5231	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5232	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5233	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5234	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5235	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5236	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5237	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5238	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5239	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5240	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5241	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5242	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5243	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5244	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5245	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5246	Hazardous Waste Incineration - Cement Kiln	EPA, 2002 NEI	Hazardous Waste Incineration; Cement Kiln	PM
5247	Hazardous Waste Incineration - Incinerator	EPA, 2002 NEI	Hazardous Waste Incineration; Incinerator	PM
5248	Hazardous Waste Incineration - Solid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Solid Fuel Boiler	PM
5249	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5250	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5251	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5252	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5253	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5254	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5255	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5256	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5257	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5258	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5259	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5260	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5261	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5262	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5263	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5264	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5265	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5266	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5267	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5268	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5269	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5270	Hazardous Waste Incineration - Liquid Fuel Boiler	EPA, 2002 NEI	Hazardous Waste Incineration; Liquid Fuel Boiler	PM
5292	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel	PM
5293	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	PM
5294	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel - Diesel PM Filter	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel; Diesel PM Filter	PM
5298	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	PM
5299	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	PM
5300	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	PM
5301	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	PM
5302	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	PM
5303	Diesel Exhaust - Light-heavy-duty Diesel Van - 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Van; 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	PM
5304	Diesel Exhaust - Light-heavy-duty Diesel Van - 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Van; 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	PM
5305	Diesel Exhaust - Light-heavy-duty Diesel Van - 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Van; 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	PM
5306	Diesel Exhaust - Light-heavy-duty Diesel Van - Low Sulfur Diesel (EC-D)	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Van; Low Sulfur Diesel (EC-D)	PM
5307	Diesel Exhaust - Light-heavy-duty Diesel Van - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Van; California Reformulated Diesel 2	PM
5308	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	PM
5309	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
5310	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	PM
5311	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	PM
5312	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	PM
5313	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	PM
5314	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	PM
5315	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	PM
5316	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	PM
5317	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	PM
5318	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2/ 20% WorldEnergy Biodiesel	PM
5319	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% SoyGold Biodiesel	PM
5320	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; 80% California Reformulated Diesel 2 / 20% OxyG Biodiesel	PM
5321	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	PM
5322	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	PM
5323	Aircraft Exhaust	CARB	Aircraft Exhaust	PM
5324	Aircraft Exhaust	CARB	Aircraft Exhaust	PM
5325	Aircraft Exhaust	CARB	Aircraft Exhaust	PM
5326	Aircraft Exhaust	CARB	Aircraft Exhaust	PM
5327	Aircraft Exhaust	CARB	Aircraft Exhaust	PM
91000	Agricultural Burning - Composite	SPECIATE workgroup	Agricultural Burning; PM Composite	PM
91001	Agricultural Soil - Composite	SPECIATE workgroup	Agricultural Soil; PM Composite	PM
91002	Brake Lining Dust - Composite	SPECIATE workgroup	Brake Lining Dust; PM Composite	PM
91003	Catalytic Cracking - Composite	SPECIATE workgroup	Catalytic Cracking; PM Composite	PM
91004	Cement Production - Composite	SPECIATE workgroup	Cement Production; PM Composite	PM
91005	Charbroiling - Composite	SPECIATE workgroup	Charbroiling; PM Composite	PM
91006	Cigarette Smoke - Composite	SPECIATE workgroup	Cigarette Smoke; PM Composite	PM
91007	Construction Dust - Composite	SPECIATE workgroup	Construction Dust; PM Composite	PM
91008	Copper Production - Composite	SPECIATE workgroup	Copper Production; PM Composite	PM
91009	Crustal Material - Composite	SPECIATE workgroup	Crustal Material; PM Composite	PM
91011	Electric Arc Furnace - Composite	SPECIATE workgroup	Electric Arc Furnace; PM Composite	PM
91012	Ferromanganese Furnace - Composite	SPECIATE workgroup	Ferromanganese Furnace; PM Composite	PM
91013	Fly Ash - Composite	SPECIATE workgroup	Fly Ash; PM Composite	PM
91014	Food & Ag - Handling - Composite	SPECIATE workgroup	Food & Ag; PM Handling; PM Composite	PM
91015	Industrial Soil - Composite	SPECIATE workgroup	Industrial Soil; PM Composite	PM
91016	Inorganic Fertilizer - Composite	SPECIATE workgroup	Inorganic Fertilizer; PM Composite	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
91017	LDDV Exhaust - Composite	SPECIATE workgroup	LDDV Exhaust; PM Composite	PM
91018	Lime Kiln - Composite	SPECIATE workgroup	Lime Kiln; PM Composite	PM
91019	Limestone Dust - Composite	SPECIATE workgroup	Limestone Dust; PM Composite	PM
91020	Natural Gas Combustion - Composite	SPECIATE workgroup	Natural Gas Combustion; PM Composite	PM
91021	Non-catalyst Gasoline Exhaust - Composite	SPECIATE workgroup	Non-catalyst Gasoline Exhaust; PM Composite	PM
91022	Onroad Gasoline Exhaust - Composite	SPECIATE workgroup	Onroad Gasoline Exhaust; PM Composite	PM
91023	Paved Road Dust - Composite	SPECIATE workgroup	Paved Road Dust; PM Composite	PM
91024	Phosphate Manuf - Composite	SPECIATE workgroup	Phosphate Manuf; PM Composite	PM
91025	PMSO2ControlledLigniteCombustion - Composite	SPECIATE workgroup	PMSO2ControlledLigniteCombustion; PM Composite	PM
91026	Prescribed Burning - Composite	SPECIATE workgroup	Prescribed Burning; PM Composite	PM
91027	Process Gas Combustion - Composite	SPECIATE workgroup	Process Gas Combustion; PM Composite	PM
91028	Residential Coal Combustion - Composite	SPECIATE workgroup	Residential Coal Combustion; PM Composite	PM
91029	Residential Wood Combustion: Eucalyptus - Composite	SPECIATE workgroup	Residential Wood Combustion: Eucalyptus; PM Composite	PM
91030	Residential Wood Combustion: Hard - Composite	SPECIATE workgroup	Residential Wood Combustion: Hard; PM Composite	PM
91031	Residential Wood Combustion: HardSoft - Composite	SPECIATE workgroup	Residential Wood Combustion: Hard & Soft Woods; PM Composite	PM
91032	Residential Wood Combustion: HardSoftN/A - Composite	SPECIATE workgroup	Residential Wood Combustion: Hard & Soft Woods; N/A; PM Composite	PM
91033	Residential Wood Combustion: Soft - Composite	SPECIATE workgroup	Residential Wood Combustion: Soft; PM Composite	PM
91035	Sand & Gravel - Composite	SPECIATE workgroup	Sand & Gravel; PM Composite	PM
91036	Sandblast - Composite	SPECIATE workgroup	Sandblast; PM Composite	PM
91037	Secondary Aluminum - Composite	SPECIATE workgroup	Secondary Aluminum; PM Composite	PM
91038	Sintering Furnace - Composite	SPECIATE workgroup	Sintering Furnace; PM Composite	PM
91039	Slash Burning - Composite	SPECIATE workgroup	Slash Burning; PM Composite	PM
91040	Solid Waste Combustion - Composite	SPECIATE workgroup	Solid Waste Combustion; PM Composite	PM
91041	SubBituminousCombustion - Composite	SPECIATE workgroup	Subbituminous Coal Combustion; PM Composite	PM
91042	Surface Coating - Composite	SPECIATE workgroup	Surface Coating; PM Composite	PM
91043	Tire Dust - Composite	SPECIATE workgroup	Tire Dust; PM Composite	PM
91044	Unpaved Road Dust - Composite	SPECIATE workgroup	Unpaved Road Dust; PM Composite	PM
91045	Wildfires - Composite	SPECIATE workgroup	Wildfires; PM Composite	PM
91046	Wood Product Drying - Composite	SPECIATE workgroup	Wood Product Drying; PM Composite	PM
91047	Wood Product Sawing - Composite	SPECIATE workgroup	Wood Product Sawing; PM Composite	PM
91048	BituminousCoalCombustion - Composite	EPA	Coal Combustion; Utility	PM
92000	Agricultural Burning - Simplified	SPECIATE workgroup	Agricultural Burning; PM Simplified	PM
92001	Agricultural Soil - Simplified	SPECIATE workgroup	Agricultural Soil; PM Simplified	PM
92002	Aluminum Production - Simplified	SPECIATE workgroup	Aluminum Production; PM Simplified	PM
92003	Ammonium Nitrate Production - Simplified	SPECIATE workgroup	Ammonium Nitrate Production; PM Simplified	PM
92004	Ammonium Sulfate Production - Simplified	SPECIATE workgroup	Ammonium Sulfate Production; PM Simplified	PM
92005	Asphalt Manufacturing - Simplified	SPECIATE workgroup	Asphalt Manufacturing; PM Simplified	PM
92006	Asphalt Roofing - Simplified	SPECIATE workgroup	Asphalt Roofing; PM Simplified	PM
92007	Auto Body Shredding - Simplified	SPECIATE workgroup	Auto Body Shredding; PM Simplified	PM
92008	Boric Acid Manufacturing - Simplified	SPECIATE workgroup	Boric Acid Manufacturing; PM Simplified	PM
92009	Brake Lining Dust - Simplified	SPECIATE workgroup	Brake Lining Dust; PM Simplified	PM
92010	Brick Grinding and Screening - Simplified	SPECIATE workgroup	Brick Grinding and Screening; PM Simplified	PM
92011	Calcium Carbide Furnace - Simplified	SPECIATE workgroup	Calcium Carbide Furnace; PM Simplified	PM
92012	Cast Iron Cupola - Simplified	SPECIATE workgroup	Cast Iron Cupola; PM Simplified	PM
92013	Catalytic Cracking - Simplified	SPECIATE workgroup	Catalytic Cracking; PM Simplified	PM
92014	Cement Production - Simplified	SPECIATE workgroup	Cement Production; PM Simplified	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
92015	Charbroiling - Simplified	SPECIATE workgroup	Charbroiling; PM Simplified	PM
92016	Charcoal Manufacturing - Simplified	SPECIATE workgroup	Charcoal Manufacturing; PM Simplified	PM
92017	Chem Manuf - Avg - Simplified	SPECIATE workgroup	Chem Manuf; PM Avg; PM Simplified	PM
92018	Cigarette Smoke - Simplified	SPECIATE workgroup	Cigarette Smoke; PM Simplified	PM
92019	Coke Calciner - Simplified	SPECIATE workgroup	Coke Calciner; PM Simplified	PM
92020	Construction Dust - Simplified	SPECIATE workgroup	Construction Dust; PM Simplified	PM
92021	Copper Production - Simplified	SPECIATE workgroup	Copper Production; PM Simplified	PM
92022	Crustal Material - Simplified	SPECIATE workgroup	Crustal Material; PM Simplified	PM
92023	Dairy Soil - Simplified	SPECIATE workgroup	Dairy Soil; PM Simplified	PM
92025	Distillate Oil Combustion - Simplified	SPECIATE workgroup	Distillate Oil Combustion; PM Simplified	PM
92026	Electric Arc Furnace - Simplified	SPECIATE workgroup	Electric Arc Furnace; PM Simplified	PM
92027	Ferromanganese Furnace - Simplified	SPECIATE workgroup	Ferromanganese Furnace; PM Simplified	PM
92028	Fiberglass Manufacture - Simplified	SPECIATE workgroup	Fiberglass Manufacture; PM Simplified	PM
92029	Fly Ash - Simplified	SPECIATE workgroup	Fly Ash; PM Simplified	PM
92030	Food & Ag - Handling - Simplified	SPECIATE workgroup	Food & Ag; PM Handling; PM Simplified	PM
92031	Food & Ag - Drying - Simplified	SPECIATE workgroup	Food & Ag; PM Drying; PM Simplified	PM
92032	Geothermal Background - Simplified	SPECIATE workgroup	Geothermal Background; PM Simplified	PM
92033	Glass Furnace - Simplified	SPECIATE workgroup	Glass Furnace; PM Simplified	PM
92034	Gypsum Manufacture - Simplified	SPECIATE workgroup	Gypsum Manufacture; PM Simplified	PM
92035	HDDV Exhaust - Simplified	SPECIATE workgroup	HDDV Exhaust; PM Simplified	PM
92036	Heat Treating - Simplified	SPECIATE workgroup	Heat Treating; PM Simplified	PM
92037	Ind Manuf - Avg. - Simplified	SPECIATE workgroup	Ind Manuf; PM Avg.; PM Simplified	PM
92038	Industrial Soil - Simplified	SPECIATE workgroup	Industrial Soil; PM Simplified	PM
92039	Inorganic Chemical Manufacture - Simplified	SPECIATE workgroup	Inorganic Chemical Manufacture; PM Simplified	PM
92040	Inorganic Fertilizer - Simplified	SPECIATE workgroup	Inorganic Fertilizer; PM Simplified	PM
92041	Kraft Recovery Furnace - Simplified	SPECIATE workgroup	Kraft Recovery Furnace; PM Simplified	PM
92042	LDDV Exhaust - Simplified	SPECIATE workgroup	LDDV Exhaust; PM Simplified	PM
92043	Lead Production - Simplified	SPECIATE workgroup	Lead Production; PM Simplified	PM
92044	Lime Kiln - Simplified	SPECIATE workgroup	Lime Kiln; PM Simplified	PM
92045	Limestone Dust - Simplified	SPECIATE workgroup	Limestone Dust; PM Simplified	PM
92046	Meat Frying - Simplified	SPECIATE workgroup	Meat Frying; PM Simplified	PM
92047	Mineral Products - Avg - Simplified	SPECIATE workgroup	Mineral Products; PM Avg; PM Simplified	PM
92048	Natural Gas Combustion - Simplified	SPECIATE workgroup	Natural Gas Combustion; PM Simplified	PM
92049	Non-catalyst Gasoline Exhaust - Simplified	SPECIATE workgroup	Non-catalyst Gasoline Exhaust; PM Simplified	PM
92050	Onroad Gasoline Exhaust - Simplified	SPECIATE workgroup	Onroad Gasoline Exhaust; PM Simplified	PM
92051	Open Hearth Furnace - Simplified	SPECIATE workgroup	Open Hearth Furnace; PM Simplified	PM
92052	Overall Average/Default - Simplified	SPECIATE workgroup	Overall Average/Default; PM Simplified	PM
92053	Paved Road Dust - Simplified	SPECIATE workgroup	Paved Road Dust; PM Simplified	PM
92054	Petroleum Ind - Avg - Simplified	SPECIATE workgroup	Petroleum Ind; PM Avg; PM Simplified	PM
92055	Phosphate Manuf - Simplified	SPECIATE workgroup	Phosphate Manuf; PM Simplified	PM
92056	PMControlledLigniteCombustion - Simplified	SPECIATE workgroup	PMControlled; Lignite Coal Combustion; PM Simplified	PM
92057	PMSO2ControlledLigniteCombustion - Simplified	SPECIATE workgroup	PMSO2ControlledLigniteCombustion; PM Simplified	PM
92058	Potato Deep-Frying - Simplified	SPECIATE workgroup	Potato Deep-Frying; PM Simplified	PM
92059	Prescribed Burning - Simplified	SPECIATE workgroup	Prescribed Burning; PM Simplified	PM
92060	Process Gas Combustion - Simplified	SPECIATE workgroup	Process Gas Combustion; PM Simplified	PM
92061	Pulp & Paper -Avg. - Simplified	SPECIATE workgroup	Pulp & Paper -Avg.; PM Simplified	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
92062	Residential Coal Combustion - Simplified	SPECIATE workgroup	Residential Coal Combustion; PM Simplified	PM
92063	Residential Natural Gas Combustion - Simplified	SPECIATE workgroup	Residential Natural Gas Combustion; PM Simplified	PM
92064	Residential Wood Combustion: Almond - Simplified	SPECIATE workgroup	Residential Wood Combustion: Almond; PM Simplified	PM
92065	Residential Wood Combustion: Cedar - Simplified	SPECIATE workgroup	Residential Wood Combustion: Cedar; PM Simplified	PM
92066	Residential Wood Combustion: Eucalyptus - Simplified	SPECIATE workgroup	Residential Wood Combustion: Eucalyptus; PM Simplified	PM
92067	Residential Wood Combustion: Hard - Simplified	SPECIATE workgroup	Residential Wood Combustion: Hard; PM Simplified	PM
92068	Residential Wood Combustion: HardSoft - Simplified	SPECIATE workgroup	Residential Wood Combustion: Hard & Soft woods; PM Simplified	PM
92069	Residential Wood Combustion: HardSoftN/A - Simplified	SPECIATE workgroup	Residential Wood Combustion: Hard & Soft Woods; N/A; PM Simplified	PM
92070	Residential Wood Combustion: Soft - Simplified	SPECIATE workgroup	Residential Wood Combustion: Soft; PM Simplified	PM
92071	Residential Wood Combustion: Synthetic - Simplified	SPECIATE workgroup	Residential Wood Combustion: Synthetic; PM Simplified	PM
92072	Residual Oil Combustion - Simplified	SPECIATE workgroup	Residual Oil Combustion; PM Simplified	PM
92073	Sand & Gravel - Simplified	SPECIATE workgroup	Sand & Gravel; PM Simplified	PM
92074	Sandblast - Simplified	SPECIATE workgroup	Sandblast; PM Simplified	PM
92075	Sea Salt - Simplified	SPECIATE workgroup	Sea Salt; PM Simplified	PM
92076	Secondary Aluminum - Simplified	SPECIATE workgroup	Secondary Aluminum; PM Simplified	PM
92077	Secondary Copper - Simplified	SPECIATE workgroup	Secondary Copper; PM Simplified	PM
92078	Secondary Lead - Simplified	SPECIATE workgroup	Secondary Lead; PM Simplified	PM
92079	Sintering Furnace - Simplified	SPECIATE workgroup	Sintering Furnace; PM Simplified	PM
92080	Slash Burning - Simplified	SPECIATE workgroup	Slash Burning; PM Simplified	PM
92081	Sludge Combustion - Simplified	SPECIATE workgroup	Sludge Combustion; PM Simplified	PM
92082	Solid Waste Combustion - Simplified	SPECIATE workgroup	Solid Waste Combustion; PM Simplified	PM
92083	Steel Desulfurization - Simplified	SPECIATE workgroup	Steel Desulfurization; PM Simplified	PM
92084	SubBituminousCombustion - Simplified	SPECIATE workgroup	Subbituminous Coal Combustion; PM Simplified	PM
92085	Surface Coating - Simplified	SPECIATE workgroup	Surface Coating; PM Simplified	PM
92086	Tire Burning - Simplified	SPECIATE workgroup	Tire Burning; PM Simplified	PM
92087	Tire Dust - Simplified	SPECIATE workgroup	Tire Dust; PM Simplified	PM
92088	Unpaved Road Dust - Simplified	SPECIATE workgroup	Unpaved Road Dust; PM Simplified	PM
92089	Urea Fertilizer - Simplified	SPECIATE workgroup	Urea Fertilizer; PM Simplified	PM
92090	Wildfires - Simplified	SPECIATE workgroup	Wildfires; PM Simplified	PM
92091	Wood Fired Boiler - Simplified	SPECIATE workgroup	Wood Fired Boiler; PM Simplified	PM
92092	Wood Product Drying - Simplified	SPECIATE workgroup	Wood Product Drying; PM Simplified	PM
92093	Wood Product Sanding - Simplified	SPECIATE workgroup	Wood Product Sanding; PM Simplified	PM
92094	Wood Product Sawing - Simplified	SPECIATE workgroup	Wood Product Sawing; PM Simplified	PM
112012.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112022.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112032.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112042.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112052.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112062.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112072.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112082.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112092.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112102.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112112.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112122.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112132.5	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
112142.5	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
112152.5	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
113012.5	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; RDF COMBUSTION	PM
115012.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115022.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115032.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115042.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115052.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115062.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115072.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115082.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115092.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
115102.5	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
118012.5	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
122012.5	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER; COAL-SLURRY COMBUSTION	PM
123012.5	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER; KEROSENE COMBUSTION	PM
127042.5	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
127052.5	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
127062.5	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
127072.5	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; DUTCH OVEN; INDUSTRIAL	PM
127082.5	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
127092.5	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; STOKER BOILER; INDUSTRIAL	PM
127102.5	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER; FUEL OIL COMBUSTION	PM
135012.5	Residual Oil Combustion	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION	PM
135022.5	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; HEAVY OIL COMBUSTION	PM
135032.5	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
135042.5	Oil-Fired Boiler	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
135052.5	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION; REFINERY; INDUSTRIAL	PM
141012.5	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER; WASTE OIL COMBUSTION	PM
141022.5	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER; LIQUID WASTE COMBUSTION	PM
151012.5	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER; SOLID WASTE COMBUSTION	PM
160002.5	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING; CHARBROILING	PM
160012.5	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING; FRYING	PM
171052.5	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
171062.5	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
171072.5	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
171082.5	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
171092.5	Car Shredder	SPECIATE 3.2	CAR SHREDDER; INDUSTRIAL	PM
171202.5	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
171212.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
171222.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
171232.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
171242.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
180002.5	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
191012.5	Scrap Copper Incinerator	SPECIATE 3.2	COPPER; INCINERATOR; SCRAP COPPER INCINERATION; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
201012.5	Aluminum Foundry-Reverboratory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY; FOUNDRY; ALUMINUM; REVERBERATORY FURNACE; FURNACE; INDUSTRIAL	PM
201022.5	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
201032.5	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
204012.5	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; SECONDARY LEAD; SMELTER; SECONDARY LEAD SMELTER; INDUSTRIAL	PM
204022.5	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL	PM
204032.5	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL; FURNACE; REVERBERATORY FURNACE	PM
204042.5	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
204052.5	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
204062.5	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD; SECONDARY LEAD; YARD DUST; INDUSTRIAL	PM
205012.5	Zinc Oxide Kiln	SPECIATE 3.2	KILN; ZINC OXIDE; INDUSTRIAL	PM
205022.5	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
205032.5	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
211012.5	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
211022.5	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
211032.5	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
211502.5	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
212032.5	Coke Dust	SPECIATE 3.2	COKE; COKE DUST; INDUSTRIAL	PM
212042.5	Coal Dust	SPECIATE 3.2	COAL DUST; INDUSTRIAL	PM
212052.5	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
212062.5	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD; LEAD; SODA FLUX; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
213012.5	Copper Ore Crushing	SPECIATE 3.2	COPPER; COPPER ORE CRUSHING; COPPER ORE; INDUSTRIAL	PM
213022.5	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER; COPPER ORE MILL; INDUSTRIAL	PM
213032.5	Copper Ore Concentrate	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
213042.5	Copper Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL	PM
213202.5	Copper Ore - Composite	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
213402.5	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL; COPPER ORE	PM
214012.5	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL; FEED; MINING	PM
215012.5	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG DUST; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
221012.5	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
221022.5	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
221032.5	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER; WOOD COMBUSTION; PARTICLE BOARD DRYER; INDUSTRIAL	PM
222012.5	Wood Products - Sander dust	SPECIATE 3.2	WOOD; SANDERDUST; INDUSTRIAL	PM
222022.5	Sawdust	SPECIATE 3.2	SAWDUST; WOOD; INDUSTRIAL	PM
222032.5	Wood Sander Dust	SPECIATE 3.2	SANDER; WOOD; INDUSTRIAL	PM
223012.5	Veneer Dryer	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
223022.5	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
223032.5	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL; WOOD COMBUSTION; SANDER	PM
231032.5	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
231042.5	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
232022.5	Lime Kiln	SPECIATE 3.2	KILN; LIME; LIME KILN; INDUSTRIAL	PM
241012.5	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER; SULFITE; SULFITE RECOVERY BOILER; INDUSTRIAL	PM
252012.5	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE; CALCIUM CARBIDE FURNACE; FURNACE; INDUSTRIAL	PM
253022.5	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL; CHARCOAL MANUFACTURING; INDUSTRIAL	PM
254012.5	Silica Manufacturing	SPECIATE 3.2	SILICA; SILICA MANUFACTURING; INDUSTRIAL	PM
254022.5	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT; ASPHALT ROOFING; ASPHALT ROOFING MANUFACTURING; INDUTRIAL	PM
254032.5	Paint Spray Booth	SPECIATE 3.2	PAINT; SPRAY BOOTH; SURFACE COATING; INDUSTRIAL	PM
254042.5	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER; FERTILIZER PRODUCTION; UREA; UREA FERTILIZER PRODUCTION; UREA FERTILIZER; INDUSTRIAL	PM
254052.5	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID; BORIC ACID MANUFACTURING; INDUSTRIAL	PM
254062.5	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM; CARBORUNDUM MANUFACTURING; INDUSTRIAL	PM
254072.5	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS; PHOSPHOROUS MANUFACTURING; INDUSTRIAL	PM
254082.5	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION; FERTILIZER; PHOSPHATE; PHOSPHATE ROCK; INDUSTRIAL	PM
254092.5	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE; PRILL TOWER; INDUSTRIAL	PM
254102.5	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE; AMMONIUM SULFATE PRODUCTION; INDUSTRIAL	PM
254112.5	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE; DIAMMONIUM PHOSPHATE PRODUCTION; INDUSTRIAL	PM
254122.5	Superphosphate Plant	SPECIATE 3.2	FERTILIZER; SUPERPHOSPHATE; SUPERPHOSPHATE PLANT; INDUSTRIAL	PM
254132.5	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE; INDUSTRIAL	PM
254142.5	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE; INDUSTRIAL	PM
254152.5	Npk Fertilizer	SPECIATE 3.2	FERTILIZER; NPK; NPK FERTILIZER; INDUSTRIAL	PM
254162.5	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID; PHOSPHORIC ACID PLANT; INDUSTRIAL	PM
254172.5	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER; MONOAMMONIUM PHOSPHATE; MONOAMMONIUM PHOSPHATE DRYER; INDUSTRIAL	PM
254182.5	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER; FERTILIZER; PHOSPHATE FERTILIZER; INDUSTRIAL	PM
254192.5	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE; SUPERPHOSPHATE; TRIPLE; SUPERPHOSPHATE; INDUSTRIAL	PM
254202.5	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; INDUSTRIAL	PM
254212.5	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL; ELEMENTAL PHOSPHOROUS; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; CALCINER	PM
254222.5	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS; PHOSPHORUS; FURNACE; ELEMENTAL PHOSPHORUS PLANT; INDUSTRIAL	PM
255002.5	Tar Pot	SPECIATE 3.2	TAR POT; ROOFING; ASPHALT ROOFING; ASPHALT	PM
257012.5	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION; GALVANIZING; ZINC OXIDE; INDUSTRIAL	PM
257022.5	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION; SANDBLASTING; INDUSTRIAL	PM
257032.5	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION; WELDING; INDUSTRIAL	PM
261012.5	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS; PROCESS HEATERS; REFINERY; NATURAL GAS COMBUSTION; INDUSTRIAL	PM
262022.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
262032.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
262042.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
262052.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
262062.5	Coke Calciner	SPECIATE 3.2	CALCINER; COKE; COKE CALCINER; INDUSTRIAL	PM
262072.5	Green Coke Dust	SPECIATE 3.2	COKE; GREEN COKE; INDUSTRIAL	PM
262082.5	Coke Cooler	SPECIATE 3.2	COKE; COKE COOLER; INDUSTRIAL	PM
262092.5	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
271022.5	Glass Furnace	SPECIATE 3.2	FURNACE; GLASS; GLASS FURNACE; INDUSTRIAL	PM
272012.5	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT; NATURAL GAS COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
272032.5	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT; COAL COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
272042.5	Portland Cement Dust	SPECIATE 3.2	CEMENT; PORTLAND CEMENT; INDUSTRIAL	PM
272052.5	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL; CEMENT; INDUSTRIAL	PM
275012.5	Gypsum Calciner	SPECIATE 3.2	CALCINER; GYPSUM; GYPSUM CALCINER; INDUSTRAIL	PM
275022.5	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
275032.5	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL; KILN; GYPSUM	PM
275042.5	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
276012.5	Lime Handling	SPECIATE 3.2	LIME; INDUSTRIAL	PM
276022.5	Lime Kiln	SPECIATE 3.2	KILN; LIME; INDUSTRIAL	PM
282012.5	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON; FURNACE; CAST IRON INDUCTION FURNACE; INDUCTION FURNACE; INDUSTRIAL	PM
282022.5	Cast Iron Cupola	SPECIATE 3.2	CAST IRON; CUPOLA; INDUSTRIAL	PM
283012.5	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION; STEEL SINTER PLANT; STEEL; INDUSTRIAL	PM
283022.5	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; OPEN HEARTH FURNACE; STEEL; INDUSTRIAL	PM
283032.5	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
283042.5	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE; SINTER; INDUSTRIAL	PM
283052.5	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE; ELECTRIC ARC FURNACE; FURNACE; STEEL; INDUSTRIAL	PM
283062.5	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION; STEEL; INDUSTRIAL	PM
283072.5	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
284012.5	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE; FURNACE; FERROMANGANESE FURNACE; INDUSTRIAL	PM
286012.5	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH; FOUNDRY; STEEL; STEEL FOUNDRY; STEEL HEAT TREATING; INDUSTRIAL	PM
291012.5	Aluminum Processing	SPECIATE 3.2	ALUMINUM; ALUMINUM PROCESSING; INDUSTRAIL	PM
291022.5	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM; ALUMINUM REDUCTION POTLINE; INDUSTRAIL	PM
292012.5	Copper Oxide Kiln	SPECIATE 3.2	KILN; COPPER OXIDE; COPPER OXIDE KILN; INDUSTRIAL	PM
292022.5	Primary Copper Smelter	SPECIATE 3.2	COPPER; PRIMARY COPPER; SMELTER; PRIMARY COPPER SMELTER; INDUSTRIAL	PM
292032.5	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; REVERBERATORY FURNACE; INDUSTRIAL	PM
292042.5	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
292052.5	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
292062.5	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
292072.5	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER FLASH FURNACE; INDUSTRIAL	PM
292082.5	Primary Copper - Process Stack	SPECIATE 3.2	COPPER; PRIMARY COPPER; INDUSTRIAL	PM
292092.5	Primary Copper Roaster	SPECIATE 3.2	COPPER; PRIMARY COPPER; ROASTER; PRIMARY COPPER ROASTER; INDUSTRIAL	PM
292102.5	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; REVERBERATORY FURNACE; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
292112.5	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; CONVERTER; INDUSTRIAL	PM
293012.5	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
293022.5	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
293032.5	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING; LEAD; SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
293042.5	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
293052.5	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
293062.5	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
293072.5	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE; LEAD; PRIMARY LEAD; REVERBERATORY FURNACE; SMELTER; PRIMARY LEAD SMELTING; DROSS REVERBERATORY FURNACE; INDUSTRIAL	PM
293092.5	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
293102.5	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
293112.5	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
293302.5	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
295012.5	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE; COPPER; SECONDARY PYROMETAL; INDUSTRIAL	PM
295022.5	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER; COPPER; SECONDARY COPPER PYROMETAL; INDUSTRIAL; SECONDARY COPPER	PM
311012.5	Light Duty Vehicles-Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
311022.5	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED GASOLINE COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
311032.5	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
311042.5	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
311052.5	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
311062.5	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
311072.5	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
311082.5	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; NON-CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
312012.5	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
312022.5	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
312032.5	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
312302.5	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; VEHICLES	PM
321012.5	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
321022.5	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
321032.5	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
321042.5	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
322022.5	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
322032.5	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
322042.5	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
322052.5	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES	PM
322062.5	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
322072.5	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
322082.5	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION; HEAVY DUTY VEHICLES	PM
330012.5	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; VEHICLES	PM
330022.5	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; DIESEL COMBUSTION; LEADED/UNLEADED COMBUSTION; TIRE WEAR; ROADWAY	PM
330032.5	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; LEADED/UNLEADED COMBUSTION;	PM
330042.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES	PM
330052.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
330062.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
330072.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
330082.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES; ASBESTOS BRAKES	PM
330092.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
330102.5	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	PM
330112.5	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
330202.5	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
340012.5	Jet Aircraft	SPECIATE 3.2	AIRCRAFT; JET AIRCRAFT	PM
340022.5	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
340032.5	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
340042.5	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES; BRAKE LINING; VEHICLES	PM
340052.5	Motor Oil	SPECIATE 3.2	MOTOR OIL; VEHICLES	PM
340062.5	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS; SEMIMETAL BRAKE PADS; VEHICLES	PM
340072.5	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS; ORGANOMETALLIC BRAKE PADS; VEHICLES	PM
340082.5	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
411012.5	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411022.5	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411032.5	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411042.5	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411052.5	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411062.5	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411072.5	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411092.5	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411102.5	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411112.5	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411122.5	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411132.5	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411142.5	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411152.5	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411162.5	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411172.5	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411182.5	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411192.5	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411202.5	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411212.5	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411222.5	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411232.5	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411242.5	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
411302.5	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411312.5	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411322.5	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411332.5	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411342.5	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411352.5	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411362.5	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411372.5	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411382.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411392.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411402.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411412.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
411422.5	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
412012.5	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING; ROADWAY; UNPAVED ROAD; VEHICLES	PM
412032.5	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
412042.5	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
412052.5	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
412062.5	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; ORE DUST; VEHICLES	PM
412072.5	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
412202.5	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
413012.5	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
413022.5	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
413032.5	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
413042.5	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
413052.5	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
413062.5	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
413072.5	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
413082.5	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
413092.5	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
413102.5	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
413112.5	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
413122.5	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
413132.5	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
413142.5	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
413152.5	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
413162.5	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
413182.5	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
413192.5	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
413202.5	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
413212.5	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
413222.5	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
413232.5	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
413242.5	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
413252.5	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
413262.5	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
413272.5	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
413282.5	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
413292.5	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
413302.5	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
413312.5	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
413502.5	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
413512.5	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
413522.5	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
413532.5	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
414012.5	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY; ROAD SAND; ROAD SALT; VEHICLES	PM
415002.5	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
421012.5	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
421022.5	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE; WOOD COMBUSTION	PM
421032.5	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
421042.5	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
421052.5	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
421062.5	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
421072.5	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION; NATURAL GAS HOME APPLIANCE	PM
422012.5	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
422022.5	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
422032.5	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
422042.5	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
422052.5	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES; SYNTHETIC LOGS COMBUSTION; WOOD COMBUSTION	PM
423012.5	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423022.5	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423032.5	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
423042.5	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
423052.5	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423062.5	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423072.5	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423082.5	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423092.5	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423102.5	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423112.5	Slash Burning (Tractor-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423122.5	Slash Burning (Tractor-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423132.5	Slash Burning (Crane-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423142.5	Slash Burning (Crane-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423152.5	Slash Burning (Chaparral; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423162.5	Slash Burning (Chaparral; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
423172.5	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
423182.5	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
423192.5	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
423202.5	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
423212.5	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION; PRESCRIBED BURN	PM
423222.5	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
423232.5	Field Burning - Perenial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
423242.5	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
423302.5	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
423312.5	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
431012.5	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
432012.5	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION; SPACE HEATING	PM
433012.5	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
433022.5	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING; SMUDGE POTS	PM
433032.5	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; FLY ASH	PM
433042.5	Limestone, Crustal	SPECIATE 3.2	CRUSTAL; LIMESTONE; CRUSTAL	PM
433052.5	Shale, Crustal	SPECIATE 3.2	CRUSTAL; SHALE; CRUSTAL	PM
433062.5	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL; SANDSTONE; CRUSTAL	PM
433072.5	Sediment, Crustal	SPECIATE 3.2	CRUSTAL; SEDIMENT; CRUSTAL	PM
433082.5	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
433092.5	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
441012.5	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
441022.5	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
441032.5	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING; SOIL DUST; EXCAVATION	PM
441042.5	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING; SANDBLASTING; SOIL DUST	PM
900012.5	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
900022.5	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	PM
900032.5	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE; INDUSTRIAL	PM
900042.5	Steel Production - Average	SPECIATE 3.2	STEEL; STEEL PRODUCTION; INDUSTRIAL	PM
900052.5	Lead Smelters - Average	SPECIATE 3.2	LEAD; SMELTER; LEAD SMELTER; INDUSTRIAL	PM
900062.5	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL; MINING; METAL MINING	PM
900072.5	Primary Metal Production - Average	SPECIATE 3.2	METAL; PRIMARY METAL; PRIMARY METAL PRODUCTION; INDUSTRIAL	PM
900082.5	Secondary Metal Production - Average	SPECIATE 3.2	METAL; SECONDARY METAL; SECONDARY METAL PRODUCTION; INDUSTRIAL	PM
900092.5	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM; SECONDARY ALUMINUM; INDUSTRIAL	PM
900102.5	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON; FOUNDRY; GRAY IRON FOUNDRY; INDUSTRIAL	PM
900112.5	Steel Foundry - General	SPECIATE 3.2	FOUNDRY; STEEL; STEEL FOUNDRY; INDUSTRIAL	PM
900122.5	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING; CLAY; FLY ASH; SINTERING; INDUSTRIAL	PM
900132.5	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS; INDUSTRIAL	PM
900142.5	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRUAL	PM
900152.5	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY; PULP AND PAPER; INDUSTRIAL	PM
900162.5	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM
1120110	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120130	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120210	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120230	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120310	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120330	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120410	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120430	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120510	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120530	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120610	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120630	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120710	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
1120730	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120810	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120830	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120910	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1120930	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121010	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121030	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121110	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121130	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121210	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121230	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121310	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
1121330	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
1121410	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121430	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121510	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1121530	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1130110	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; RDF COMBUSTION	PM
1130130	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; RDF COMBUSTION	PM
1150110	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150130	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150210	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150230	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150310	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150330	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150410	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150430	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150510	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150530	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150610	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150630	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150710	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150730	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150810	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150830	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150910	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1150930	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1151010	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1151030	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
1180110	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
1180130	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
1220110	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER; COAL-SLURRY COMBUSTION	PM
1220130	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER; COAL-SLURRY COMBUSTION	PM
1230110	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER; KEROSENE COMBUSTION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
1230130	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER; KEROSENE COMBUSTION	PM
1270410	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
1270430	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
1270510	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
1270530	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
1270610	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
1270630	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
1270710	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; DUTCH OVEN; INDUSTRIAL	PM
1270730	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; DUTCH OVEN; INDUSTRIAL	PM
1270810	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
1270830	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
1270910	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; STOKER BOILER; INDUSTRIAL	PM
1270930	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; STOKER BOILER; INDUSTRIAL	PM
1271010	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER; FUEL OIL COMBUSTION	PM
1271030	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER; FUEL OIL COMBUSTION	PM
1350110	Residual Oil Combustion	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION	PM
1350130	Residual Oil Combustion	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION	PM
1350210	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; HEAVY OIL COMBUSTION	PM
1350230	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; HEAVY OIL COMBUSTION	PM
1350310	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
1350330	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
1350410	Oil-Fired Boiler	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
1350430	Oil-Fired Boiler	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
1350510	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION; REFINERY; INDUSTRIAL	PM
1350530	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION; REFINERY; INDUSTRIAL	PM
1410110	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER; WASTE OIL COMBUSTION	PM
1410130	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER; WASTE OIL COMBUSTION	PM
1410210	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER; LIQUID WASTE COMBUSTION	PM
1410230	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER; LIQUID WASTE COMBUSTION	PM
1510110	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER; SOLID WASTE COMBUSTION	PM
1510130	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER; SOLID WASTE COMBUSTION	PM
1600010	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING; CHARBROILING	PM
1600030	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING; CHARBROILING	PM
1600110	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING; FRYING	PM
1600130	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING; FRYING	PM
1710510	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710530	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710610	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710630	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710710	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710730	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710810	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710830	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
1710910	Car Shredder	SPECIATE 3.2	CAR SHREDDER; INDUSTRIAL	PM
1710930	Car Shredder	SPECIATE 3.2	CAR SHREDDER; INDUSTRIAL	PM
1712010	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
1712030	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712110	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712130	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712210	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712230	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712310	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712330	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712410	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1712430	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
1800010	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
1800030	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
1910110	Scrap Copper Incinerator	SPECIATE 3.2	COPPER; INCINERATOR; SCRAP COPPER INCINERATION; INDUSTRIAL	PM
1910130	Scrap Copper Incinerator	SPECIATE 3.2	COPPER; INCINERATOR; SCRAP COPPER INCINERATION; INDUSTRIAL	PM
2010110	Aluminum Foundry-Reverboratory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY; FOUNDRY; ALUMINUM; REVERBERATORY FURNACE; FURNACE; INDUSTRIAL	PM
2010130	Aluminum Foundry-Reverboratory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY; FOUNDRY; ALUMINUM; REVERBERATORY FURNACE; FURNACE; INDUSTRIAL	PM
2010210	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
2010230	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
2010310	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
2010330	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
2040110	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; SECONDARY LEAD; SMELTER; SECONDARY LEAD SMELTER; INDUSTRIAL	PM
2040130	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; SECONDARY LEAD; SMELTER; SECONDARY LEAD SMELTER; INDUSTRIAL	PM
2040210	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL	PM
2040230	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL	PM
2040310	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL; FURNACE; REVERBERATORY FURNACE	PM
2040330	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL; FURNACE; REVERBERATORY FURNACE	PM
2040410	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
2040430	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
2040510	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
2040530	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
2040610	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD; SECONDARY LEAD; YARD DUST; INDUSTRIAL	PM
2040630	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD; SECONDARY LEAD; YARD DUST; INDUSTRIAL	PM
2050110	Zinc Oxide Kiln	SPECIATE 3.2	KILN; ZINC OXIDE; INDUSTRIAL	PM
2050130	Zinc Oxide Kiln	SPECIATE 3.2	KILN; ZINC OXIDE; INDUSTRIAL	PM
2050210	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
2050230	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
2050310	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
2050330	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
2110110	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2110130	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
2110210	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2110230	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2110310	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2110330	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2115010	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2115030	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2120310	Coke Dust	SPECIATE 3.2	COKE; COKE DUST; INDUSTRIAL	PM
2120330	Coke Dust	SPECIATE 3.2	COKE; COKE DUST; INDUSTRIAL	PM
2120410	Coal Dust	SPECIATE 3.2	COAL DUST; INDUSTRIAL	PM
2120430	Coal Dust	SPECIATE 3.2	COAL DUST; INDUSTRIAL	PM
2120510	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2120530	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2120610	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD; LEAD; SODA FLUX; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2120630	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD; LEAD; SODA FLUX; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2130110	Copper Ore Crushing	SPECIATE 3.2	COPPER; COPPER ORE CRUSHING; COPPER ORE; INDUSTRIAL	PM
2130130	Copper Ore Crushing	SPECIATE 3.2	COPPER; COPPER ORE CRUSHING; COPPER ORE; INDUSTRIAL	PM
2130210	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER; COPPER ORE MILL; INDUSTRIAL	PM
2130230	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER; COPPER ORE MILL; INDUSTRIAL	PM
2130310	Copper Ore Concentrate	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
2130330	Copper Ore Concentrate	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
2130410	Copper Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL	PM
2130430	Copper Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL	PM
2132010	Copper Ore - Composite	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
2132030	Copper Ore - Composite	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
2134010	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL; COPPER ORE	PM
2134030	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL; COPPER ORE	PM
2140110	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL; FEED; MINING	PM
2140130	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL; FEED; MINING	PM
2150110	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG DUST; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2150130	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG DUST; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2210110	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
2210130	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
2210210	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
2210230	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
2210310	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER; WOOD COMBUSTION; PARTICLE BOARD DRYER; INDUSTRIAL	PM
2210330	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER; WOOD COMBUSTION; PARTICLE BOARD DRYER; INDUSTRIAL	PM
2220110	Wood Products - Sander dust	SPECIATE 3.2	WOOD; SANDERDUST; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2220130	Wood Products - Sander dust	SPECIATE 3.2	WOOD; SANDERDUST; INDUSTRIAL	PM
2220210	Sawdust	SPECIATE 3.2	SAWDUST; WOOD; INDUSTRIAL	PM
2220230	Sawdust	SPECIATE 3.2	SAWDUST; WOOD; INDUSTRIAL	PM
2220310	Wood Sander Dust	SPECIATE 3.2	SANDER; WOOD; INDUSTRIAL	PM
2220330	Wood Sander Dust	SPECIATE 3.2	SANDER; WOOD; INDUSTRIAL	PM
2230110	Veneer Dryer	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
2230130	Veneer Dryer	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
2230210	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
2230230	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
2230310	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL; WOOD COMBUSTION; SANDER	PM
2230330	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL; WOOD COMBUSTION; SANDER	PM
2310310	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
2310330	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
2310410	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
2310430	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
2320210	Lime Kiln	SPECIATE 3.2	KILN; LIME; LIME KILN; INDUSTRIAL	PM
2320230	Lime Kiln	SPECIATE 3.2	KILN; LIME; LIME KILN; INDUSTRIAL	PM
2410110	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER; SULFITE; SULFITE RECOVERY BOILER; INDUSTRIAL	PM
2410130	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER; SULFITE; SULFITE RECOVERY BOILER; INDUSTRIAL	PM
2520110	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE; CALCIUM CARBIDE FURNACE; FURNACE; INDUSTRIAL	PM
2520130	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE; CALCIUM CARBIDE FURNACE; FURNACE; INDUSTRIAL	PM
2530210	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL; CHARCOAL MANUFACTURING; INDUSTRIAL	PM
2530230	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL; CHARCOAL MANUFACTURING; INDUSTRIAL	PM
2540110	Silica Manufacturing	SPECIATE 3.2	SILICA; SILICA MANUFACTURING; INDUSTRIAL	PM
2540130	Silica Manufacturing	SPECIATE 3.2	SILICA; SILICA MANUFACTURING; INDUSTRIAL	PM
2540210	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT; ASPHALT ROOFING; ASPHALT ROOFING MANUFACTURING; INDUTRIAL	PM
2540230	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT; ASPHALT ROOFING; ASPHALT ROOFING MANUFACTURING; INDUTRIAL	PM
2540310	Paint Spray Booth	SPECIATE 3.2	PAINT; SPRAY BOOTH; SURFACE COATING; INDUSTRIAL	PM
2540330	Paint Spray Booth	SPECIATE 3.2	PAINT; SPRAY BOOTH; SURFACE COATING; INDUSTRIAL	PM
2540410	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER; FERTILIZER PRODUCTION; UREA; UREA FERTILIZER PRODUCTION; UREA FERTILIZER; INDUSTRIAL	PM
2540430	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER; FERTILIZER PRODUCTION; UREA; UREA FERTILIZER PRODUCTION; UREA FERTILIZER; INDUSTRIAL	PM
2540510	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID; BORIC ACID MANUFACTURING; INDUSTRIAL	PM
2540530	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID; BORIC ACID MANUFACTURING; INDUSTRIAL	PM
2540610	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM; CARBORUNDUM MANUFACTURING; INDUSTRIAL	PM
2540630	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM; CARBORUNDUM MANUFACTURING; INDUSTRIAL	PM
2540710	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS; PHOSPHOROUS MANUFACTURING; INDUSTRIAL	PM
2540730	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS; PHOSPHOROUS MANUFACTURING; INDUSTRIAL	PM
2540810	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION; FERTILIZER; PHOSPHATE; PHOSPHATE ROCK; INDUSTRIAL	PM
2540830	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION; FERTILIZER; PHOSPHATE; PHOSPHATE ROCK; INDUSTRIAL	PM
2540910	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE; PRILL TOWER; INDUSTRIAL	PM
2540930	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE; PRILL TOWER; INDUSTRIAL	PM
2541010	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE; AMMONIUM SULFATE PRODUCTION; INDUSTRIAL	PM
2541030	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE; AMMONIUM SULFATE PRODUCTION; INDUSTRIAL	PM
2541110	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE; DIAMMONIUM PHOSPHATE PRODUCTION; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2541130	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE; DIAMMONIUM PHOSPHATE PRODUCTION; INDUSTRIAL	PM
2541210	Superphosphate Plant	SPECIATE 3.2	FERTILIZER; SUPERPHOSPHATE; SUPERPHOSPHATE PLANT; INDUSTRIAL	PM
2541230	Superphosphate Plant	SPECIATE 3.2	FERTILIZER; SUPERPHOSPHATE; SUPERPHOSPHATE PLANT; INDUSTRIAL	PM
2541310	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE; INDUSTRIAL	PM
2541330	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE; INDUSTRIAL	PM
2541410	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE; INDUSTRIAL	PM
2541430	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE; INDUSTRIAL	PM
2541510	Npk Fertilizer	SPECIATE 3.2	FERTILIZER; NPK; NPK FERTILIZER; INDUSTRIAL	PM
2541530	Npk Fertilizer	SPECIATE 3.2	FERTILIZER; NPK; NPK FERTILIZER; INDUSTRIAL	PM
2541610	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID; PHOSPHORIC ACID PLANT; INDUSTRIAL	PM
2541630	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID; PHOSPHORIC ACID PLANT; INDUSTRIAL	PM
2541710	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER; MONOAMMONIUM PHOSPHATE; MONOAMMONIUM PHOSPHATE DRYER; INDUSTRIAL	PM
2541730	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER; MONOAMMONIUM PHOSPHATE; MONOAMMONIUM PHOSPHATE DRYER; INDUSTRIAL	PM
2541810	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER; FERTILIZER; PHOSPHATE FERTILIZER; INDUSTRIAL	PM
2541830	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER; FERTILIZER; PHOSPHATE FERTILIZER; INDUSTRIAL	PM
2541910	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE; SUPERPHOSPHATE; TRIPLE; SUPERPHOSPHATE; INDUSTRIAL	PM
2541930	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE; SUPERPHOSPHATE; TRIPLE; SUPERPHOSPHATE; INDUSTRIAL	PM
2542010	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; INDUSTRIAL	PM
2542030	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; INDUSTRIAL	PM
2542110	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL; ELEMENTAL PHOSPHOROUS; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; CALCINER	PM
2542130	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL; ELEMENTAL PHOSPHOROUS; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; CALCINER	PM
2542210	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS; PHOSPHORUS; FURNACE; ELEMENTAL PHOSPHORUS PLANT; INDUSTRIAL	PM
2542230	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS; PHOSPHORUS; FURNACE; ELEMENTAL PHOSPHORUS PLANT; INDUSTRIAL	PM
2550010	Tar Pot	SPECIATE 3.2	TAR POT; ROOFING; ASPHALT ROOFING; ASPHALT	PM
2550030	Tar Pot	SPECIATE 3.2	TAR POT; ROOFING; ASPHALT ROOFING; ASPHALT	PM
2570110	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION; GALVANIZING; ZINC OXIDE; INDUSTRIAL	PM
2570130	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION; GALVANIZING; ZINC OXIDE; INDUSTRIAL	PM
2570210	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION; SANDBLASTING; INDUSTRIAL	PM
2570230	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION; SANDBLASTING; INDUSTRIAL	PM
2570310	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION; WELDING; INDUSTRIAL	PM
2570330	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION; WELDING; INDUSTRIAL	PM
2610110	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS; PROCESS HEATERS; REFINERY; NATURAL GAS COMBUSTION; INDUSTRIAL	PM
2610130	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS; PROCESS HEATERS; REFINERY; NATURAL GAS COMBUSTION; INDUSTRIAL	PM
2620210	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620230	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620310	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2620330	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620410	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620430	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620510	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620530	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
2620610	Coke Calciner	SPECIATE 3.2	CALCINER; COKE; COKE CALCINER; INDUSTRIAL	PM
2620630	Coke Calciner	SPECIATE 3.2	CALCINER; COKE; COKE CALCINER; INDUSTRIAL	PM
2620710	Green Coke Dust	SPECIATE 3.2	COKE; GREEN COKE; INDUSTRIAL	PM
2620730	Green Coke Dust	SPECIATE 3.2	COKE; GREEN COKE; INDUSTRIAL	PM
2620810	Coke Cooler	SPECIATE 3.2	COKE; COKE COOLER; INDUSTRIAL	PM
2620830	Coke Cooler	SPECIATE 3.2	COKE; COKE COOLER; INDUSTRIAL	PM
2620910	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER; INDUSTRIAL	PM
2620930	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER; INDUSTRIAL	PM
2710210	Glass Furnace	SPECIATE 3.2	FURNACE; GLASS; GLASS FURNACE; INDUSTRIAL	PM
2710230	Glass Furnace	SPECIATE 3.2	FURNACE; GLASS; GLASS FURNACE; INDUSTRIAL	PM
2720110	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT; NATURAL GAS COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
2720130	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT; NATURAL GAS COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
2720310	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT; COAL COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
2720330	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT; COAL COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
2720410	Portland Cement Dust	SPECIATE 3.2	CEMENT; PORTLAND CEMENT; INDUSTRIAL	PM
2720430	Portland Cement Dust	SPECIATE 3.2	CEMENT; PORTLAND CEMENT; INDUSTRIAL	PM
2720510	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL; CEMENT; INDUSTRIAL	PM
2720530	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL; CEMENT; INDUSTRIAL	PM
2750110	Gypsum Calciner	SPECIATE 3.2	CALCINER; GYPSUM; GYPSUM CALCINER; INDUSTRAIL	PM
2750130	Gypsum Calciner	SPECIATE 3.2	CALCINER; GYPSUM; GYPSUM CALCINER; INDUSTRAIL	PM
2750210	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
2750230	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
2750310	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL; KILN; GYPSUM	PM
2750330	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL; KILN; GYPSUM	PM
2750410	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
2750430	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
2760110	Lime Handling	SPECIATE 3.2	LIME; INDUSTRIAL	PM
2760130	Lime Handling	SPECIATE 3.2	LIME; INDUSTRIAL	PM
2760210	Lime Kiln	SPECIATE 3.2	KILN; LIME; INDUSTRIAL	PM
2760230	Lime Kiln	SPECIATE 3.2	KILN; LIME; INDUSTRIAL	PM
2820110	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON; FURNACE; CAST IRON INDUCTION FURNACE; INDUCTION FURNACE; INDUSTRIAL	PM
2820130	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON; FURNACE; CAST IRON INDUCTION FURNACE; INDUCTION FURNACE; INDUSTRIAL	PM
2820210	Cast Iron Cupola	SPECIATE 3.2	CAST IRON; CUPOLA; INDUSTRIAL	PM
2820230	Cast Iron Cupola	SPECIATE 3.2	CAST IRON; CUPOLA; INDUSTRIAL	PM
2830110	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION; STEEL SINTER PLANT; STEEL; INDUSTRIAL	PM
2830130	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION; STEEL SINTER PLANT; STEEL; INDUSTRIAL	PM
2830210	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; OPEN HEARTH FURNACE; STEEL; INDUSTRIAL	PM
2830230	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; OPEN HEARTH FURNACE; STEEL; INDUSTRIAL	PM
2830310	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2830330	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
2830410	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE; SINTER; INDUSTRIAL	PM
2830430	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE; SINTER; INDUSTRIAL	PM
2830510	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE; ELECTRIC ARC FURNACE; FURNACE; STEEL; INDUSTRIAL	PM
2830530	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE; ELECTRIC ARC FURNACE; FURNACE; STEEL; INDUSTRIAL	PM
2830610	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION; STEEL; INDUSTRIAL	PM
2830630	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION; STEEL; INDUSTRIAL	PM
2830710	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
2830730	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
2840110	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE; FURNACE; FERROMANGANESE FURNACE; INDUSTRIAL	PM
2840130	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE; FURNACE; FERROMANGANESE FURNACE; INDUSTRIAL	PM
2860110	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH; FOUNDRY; STEEL; STEEL FOUNDRY; STEEL HEAT TREATING; INDUSTRIAL	PM
2860130	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH; FOUNDRY; STEEL; STEEL FOUNDRY; STEEL HEAT TREATING; INDUSTRIAL	PM
2910110	Aluminum Processing	SPECIATE 3.2	ALUMINUM; ALUMINUM PROCESSING; INDUSTRAIL	PM
2910130	Aluminum Processing	SPECIATE 3.2	ALUMINUM; ALUMINUM PROCESSING; INDUSTRAIL	PM
2910210	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM; ALUMINUM REDUCTION POTLINE; INDUSTRAIL	PM
2910230	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM; ALUMINUM REDUCTION POTLINE; INDUSTRAIL	PM
2920110	Copper Oxide Kiln	SPECIATE 3.2	KILN; COPPER OXIDE; COPPER OXIDE KILN; INDUSTRIAL	PM
2920130	Copper Oxide Kiln	SPECIATE 3.2	KILN; COPPER OXIDE; COPPER OXIDE KILN; INDUSTRIAL	PM
2920210	Primary Copper Smelter	SPECIATE 3.2	COPPER; PRIMARY COPPER; SMELTER; PRIMARY COPPER SMELTER; INDUSTRIAL	PM
2920230	Primary Copper Smelter	SPECIATE 3.2	COPPER; PRIMARY COPPER; SMELTER; PRIMARY COPPER SMELTER; INDUSTRIAL	PM
2920310	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; REVERBERATORY FURNACE; INDUSTRIAL	PM
2920330	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; REVERBERATORY FURNACE; INDUSTRIAL	PM
2920410	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
2920430	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
2920510	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
2920530	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
2920610	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
2920630	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
2920710	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER FLASH FURNACE; INDUSTRIAL	PM
2920730	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER FLASH FURNACE; INDUSTRIAL	PM
2920810	Primary Copper - Process Stack	SPECIATE 3.2	COPPER; PRIMARY COPPER; INDUSTRIAL	PM
2920830	Primary Copper - Process Stack	SPECIATE 3.2	COPPER; PRIMARY COPPER; INDUSTRIAL	PM
2920910	Primary Copper Roaster	SPECIATE 3.2	COPPER; PRIMARY COPPER; ROASTER; PRIMARY COPPER ROASTER; INDUSTRIAL	PM
2920930	Primary Copper Roaster	SPECIATE 3.2	COPPER; PRIMARY COPPER; ROASTER; PRIMARY COPPER ROASTER; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2921010	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; REVERBERATORY FURNACE; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
2921030	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; REVERBERATORY FURNACE; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
2921110	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; CONVERTER; INDUSTRIAL	PM
2921130	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; CONVERTER; INDUSTRIAL	PM
2930110	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930130	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930210	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930230	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930310	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING; LEAD; SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930330	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING; LEAD; SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930410	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2930430	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
2930510	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930530	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930610	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930630	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930710	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE; LEAD; PRIMARY LEAD; REVERBERATORY FURNACE; SMELTER; PRIMARY LEAD SMELTING; DROSS REVERBERATORY FURNACE; INDUSTRIAL	PM
2930730	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE; LEAD; PRIMARY LEAD; REVERBERATORY FURNACE; SMELTER; PRIMARY LEAD SMELTING; DROSS REVERBERATORY FURNACE; INDUSTRIAL	PM
2930910	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2930930	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2931010	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
2931030	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
2931110	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
2931130	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
2933010	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2933030	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
2950110	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE; COPPER; SECONDARY PYROMETAL; INDUSTRIAL	PM
2950130	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE; COPPER; SECONDARY PYROMETAL; INDUSTRIAL	PM
2950210	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER; COPPER; SECONDARY COPPER PYROMETAL; INDUSTRIAL; SECONDARY COPPER	PM
2950230	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER; COPPER; SECONDARY COPPER PYROMETAL; INDUSTRIAL; SECONDARY COPPER	PM
3110110	Light Duty Vehicles-Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3110130	Light Duty Vehicles-Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110210	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED GASOLINE COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3110230	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED GASOLINE COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3110310	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110330	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110410	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110430	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110510	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110530	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3110610	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3110630	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3110710	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
3110730	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
3110810	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; NON-CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
3110830	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; NON-CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
3120110	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3120130	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3120210	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3120230	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3120310	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3120330	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
3123010	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; VEHICLES	PM
3123030	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; VEHICLES	PM
3210110	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3210130	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3210210	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3210230	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3210310	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3210330	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3210410	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3210430	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
3220210	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220230	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220310	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220330	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220410	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220430	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220510	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES	PM
3220530	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES	PM
3220610	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220630	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220710	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220730	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
3220810	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION; HEAVY DUTY VEHICLES	PM
3220830	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION; HEAVY DUTY VEHICLES	PM
3300110	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; VEHICLES	PM
3300130	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; VEHICLES	PM
3300210	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; DIESEL COMBUSTION; LEADED/UNLEADED COMBUSTION; TIRE WEAR; ROADWAY	PM
3300230	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; DIESEL COMBUSTION; LEADED/UNLEADED COMBUSTION; TIRE WEAR; ROADWAY	PM
3300310	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; LEADED/UNLEADED COMBUSTION;	PM
3300330	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; LEADED/UNLEADED COMBUSTION;	PM
3300410	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES	PM
3300430	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES	PM
3300510	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300530	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300610	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300630	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300710	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300730	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300810	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES; ASBESTOS BRAKES	PM
3300830	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES; ASBESTOS BRAKES	PM
3300910	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3300930	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3301010	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	PM
3301030	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	PM
3301110	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
3301130	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
3302010	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3302030	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
3400110	Jet Aircraft	SPECIATE 3.2	AIRCRAFT; JET AIRCRAFT	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3400130	Jet Aircraft	SPECIATE 3.2	AIRCRAFT; JET AIRCRAFT	PM
3400210	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
3400230	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
3400310	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
3400330	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
3400410	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES; BRAKE LINING; VEHICLES	PM
3400430	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES; BRAKE LINING; VEHICLES	PM
3400510	Motor Oil	SPECIATE 3.2	MOTOR OIL; VEHICLES	PM
3400530	Motor Oil	SPECIATE 3.2	MOTOR OIL; VEHICLES	PM
3400610	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS; SEMIMETAL BRAKE PADS; VEHICLES	PM
3400630	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS; SEMIMETAL BRAKE PADS; VEHICLES	PM
3400710	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS; ORGANOMETALLIC BRAKE PADS; VEHICLES	PM
3400730	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS; ORGANOMETALLIC BRAKE PADS; VEHICLES	PM
3400810	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
3400830	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
4110110	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110130	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110210	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110230	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110310	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110330	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110410	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110430	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110510	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110530	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110610	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110630	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110710	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110730	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110910	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4110930	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111010	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111030	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111110	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111130	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111210	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111230	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111310	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111330	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111410	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111430	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111510	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111530	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111610	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111630	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111710	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4111730	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111810	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111830	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111910	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4111930	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112010	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112030	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112110	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112130	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112210	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112230	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112310	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112330	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112410	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4112430	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113010	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113030	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113110	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113130	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113210	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113230	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113310	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113330	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113410	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113430	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113510	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113530	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113610	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113630	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113710	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113730	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113810	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113830	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113910	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4113930	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4114010	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4114030	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4114110	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4114130	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4114210	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4114230	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
4120110	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING; ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120130	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING; ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120310	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120330	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120410	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4120430	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120510	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120530	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120610	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; ORE DUST; VEHICLES	PM
4120630	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; ORE DUST; VEHICLES	PM
4120710	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4120730	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4122010	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4122030	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
4130110	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
4130130	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
4130210	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
4130230	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
4130310	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
4130330	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
4130410	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
4130430	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
4130510	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
4130530	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
4130610	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
4130630	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
4130710	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
4130730	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
4130810	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
4130830	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
4130910	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
4130930	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131010	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131030	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131110	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131130	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131210	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131230	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131310	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
4131330	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
4131410	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
4131430	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
4131510	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
4131530	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
4131610	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
4131630	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
4131810	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
4131830	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
4131910	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
4131930	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
4132010	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4132030	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
4132110	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
4132130	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
4132210	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
4132230	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
4132310	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
4132330	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
4132410	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
4132430	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
4132510	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132530	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132610	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132630	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132710	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132730	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132810	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132830	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132910	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132930	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133010	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133030	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133110	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133130	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
4135010	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
4135030	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
4135110	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
4135130	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
4135210	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
4135230	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
4135310	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
4135330	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
4140110	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY; ROAD SAND; ROAD SALT; VEHICLES	PM
4140130	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY; ROAD SAND; ROAD SALT; VEHICLES	PM
4150010	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
4150030	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
4210110	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
4210130	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
4210210	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE; WOOD COMBUSTION	PM
4210230	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE; WOOD COMBUSTION	PM
4210310	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
4210330	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
4210410	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4210430	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4210510	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4210530	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4210610	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4210630	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4210710	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION; NATURAL GAS HOME APPLIANCE	PM
4210730	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION; NATURAL GAS HOME APPLIANCE	PM
4220110	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
4220130	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
4220210	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
4220230	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
4220310	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
4220330	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
4220410	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
4220430	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
4220510	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES; SYNTHETIC LOGS COMBUSTION; WOOD COMBUSTION	PM
4220530	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES; SYNTHETIC LOGS COMBUSTION; WOOD COMBUSTION	PM
4230110	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230130	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230210	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230230	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230310	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4230330	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4230410	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
4230430	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
4230510	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230530	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230610	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230630	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230710	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230730	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230810	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230830	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230910	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4230930	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231010	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231030	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231110	Slash Burning (Tractor-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231130	Slash Burning (Tractor-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231210	Slash Burning (Tractor-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231230	Slash Burning (Tractor-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231310	Slash Burning (Crane-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231330	Slash Burning (Crane-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231410	Slash Burning (Crane-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231430	Slash Burning (Crane-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231510	Slash Burning (Chaparral; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231530	Slash Burning (Chaparral; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231610	Slash Burning (Chaparral; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231630	Slash Burning (Chaparral; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
4231710	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4231730	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4231810	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4231830	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4231910	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4231930	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4232010	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
4232030	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
4232110	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION; PRESCRIBED BURN	PM
4232130	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION; PRESCRIBED BURN	PM
4232210	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232230	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232310	Field Burning - Perenial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232330	Field Burning - Perenial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232410	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
4232430	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
4233010	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4233030	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
4233110	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4233130	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
4310110	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
4310130	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
4320110	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION; SPACE HEATING	PM
4320130	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION; SPACE HEATING	PM
4330110	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
4330130	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
4330210	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING; SMUDGE POTS	PM
4330230	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING; SMUDGE POTS	PM
4330310	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; FLY ASH	PM
4330330	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; FLY ASH	PM
4330410	Limestone, Crustal	SPECIATE 3.2	CRUSTAL; LIMESTONE; CRUSTAL	PM
4330430	Limestone, Crustal	SPECIATE 3.2	CRUSTAL; LIMESTONE; CRUSTAL	PM
4330510	Shale, Crustal	SPECIATE 3.2	CRUSTAL; SHALE; CRUSTAL	PM
4330530	Shale, Crustal	SPECIATE 3.2	CRUSTAL; SHALE; CRUSTAL	PM
4330610	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL; SANDSTONE; CRUSTAL	PM
4330630	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL; SANDSTONE; CRUSTAL	PM
4330710	Sediment, Crustal	SPECIATE 3.2	CRUSTAL; SEDIMENT; CRUSTAL	PM
4330730	Sediment, Crustal	SPECIATE 3.2	CRUSTAL; SEDIMENT; CRUSTAL	PM
4330810	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
4330830	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
4330910	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
4330930	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
4410110	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
4410130	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
4410210	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
4410230	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
4410310	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING; SOIL DUST; EXCAVATION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4410330	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING; SOIL DUST; EXCAVATION	PM
4410410	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING; SANDBLASTING; SOIL DUST	PM
4410430	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING; SANDBLASTING; SOIL DUST	PM
9000110	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
9000130	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
9000210	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	PM
9000230	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	PM
9000310	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE; INDUSTRIAL	PM
9000330	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE; INDUSTRIAL	PM
9000410	Steel Production - Average	SPECIATE 3.2	STEEL; STEEL PRODUCTION; INDUSTRIAL	PM
9000430	Steel Production - Average	SPECIATE 3.2	STEEL; STEEL PRODUCTION; INDUSTRIAL	PM
9000510	Lead Smelters - Average	SPECIATE 3.2	LEAD; SMELTER; LEAD SMELTER; INDUSTRIAL	PM
9000530	Lead Smelters - Average	SPECIATE 3.2	LEAD; SMELTER; LEAD SMELTER; INDUSTRIAL	PM
9000610	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL; MINING; METAL MINING	PM
9000630	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL; MINING; METAL MINING	PM
9000710	Primary Metal Production - Average	SPECIATE 3.2	METAL; PRIMARY METAL; PRIMARY METAL PRODUCTION; INDUSTRIAL	PM
9000730	Primary Metal Production - Average	SPECIATE 3.2	METAL; PRIMARY METAL; PRIMARY METAL PRODUCTION; INDUSTRIAL	PM
9000810	Secondary Metal Production - Average	SPECIATE 3.2	METAL; SECONDARY METAL; SECONDARY METAL PRODUCTION; INDUSTRIAL	PM
9000830	Secondary Metal Production - Average	SPECIATE 3.2	METAL; SECONDARY METAL; SECONDARY METAL PRODUCTION; INDUSTRIAL	PM
9000910	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM; SECONDARY ALUMINUM; INDUSTRIAL	PM
9000930	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM; SECONDARY ALUMINUM; INDUSTRIAL	PM
9001010	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON; FOUNDRY; GRAY IRON FOUNDRY; INDUSTRIAL	PM
9001030	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON; FOUNDRY; GRAY IRON FOUNDRY; INDUSTRIAL	PM
9001110	Steel Foundry - General	SPECIATE 3.2	FOUNDRY; STEEL; STEEL FOUNDRY; INDUSTRIAL	PM
9001130	Steel Foundry - General	SPECIATE 3.2	FOUNDRY; STEEL; STEEL FOUNDRY; INDUSTRIAL	PM
9001210	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING; CLAY; FLY ASH; SINTERING; INDUSTRIAL	PM
9001230	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING; CLAY; FLY ASH; SINTERING; INDUSTRIAL	PM
9001310	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS; INDUSTRIAL	PM
9001330	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS; INDUSTRIAL	PM
9001410	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRUAL	PM
9001430	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRUAL	PM
9001510	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY; PULP AND PAPER; INDUSTRIAL	PM
9001530	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY; PULP AND PAPER; INDUSTRIAL	PM
9001610	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM
9001630	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM
00000C	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
11201C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11202C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11203C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11204C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11205C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11206C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11207C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11208C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11209C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11210C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
11211C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11212C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11213C	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
11214C	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11215C	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11301C	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; RDF COMBUSTION	PM
11501C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11502C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11503C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11504C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11505C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11506C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11507C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11508C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11509C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11510C	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION	PM
11801C	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
12201C	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER; COAL-SLURRY COMBUSTION	PM
12301C	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER; KEROSENE COMBUSTION	PM
12704C	Wood-Fired Boiler	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
12705C	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER; WOOD COMBUSTION	PM
12706C	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
12707C	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; DUTCH OVEN; INDUSTRIAL	PM
12708C	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; PLYWOOD MANUFACTURING; INDUSTRIAL	PM
12709C	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER; HOGGED FUEL COMBUSTION; STOKER BOILER; INDUSTRIAL	PM
12710C	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER; FUEL OIL COMBUSTION	PM
13501C	Residual Oil Combustion	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION	PM
13502C	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; HEAVY OIL COMBUSTION	PM
13503C	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
13504C	Oil-Fired Boiler	SPECIATE 3.2	BOILER; OIL COMBUSTION	PM
13505C	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER; RESIDUAL OIL COMBUSTION; REFINERY; INDUSTRIAL	PM
14101C	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER; WASTE OIL COMBUSTION	PM
14102C	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER; LIQUID WASTE COMBUSTION	PM
15101C	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER; SOLID WASTE COMBUSTION	PM
16000C	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING; CHARBROILING	PM
16001C	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING; FRYING	PM
17105C	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
17106C	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
17107C	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
17108C	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR; MUNICIPAL WASTE INCINERATION	PM
17109C	Car Shredder	SPECIATE 3.2	CAR SHREDDER; INDUSTRIAL	PM
17120C	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
17121C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
17122C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
17123C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
17124C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR; SEWAGE SLUDGE INCINERATION	PM
18000C	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
19101C	Scrap Copper Incinerator	SPECIATE 3.2	COPPER; INCINERATOR; SCRAP COPPER INCINERATION; INDUSTRIAL	PM
20101C	Aluminum Foundry-Reverboratory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY; FOUNDRY; ALUMINUM; REVERBERATORY FURNACE; FURNACE; INDUSTRIAL	PM
20102C	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
20103C	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM; FURNACE; DROSS RECOVERY FURNACE; SECONDARY ALUMINUM; INDUSTRIAL	PM
20401C	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; SECONDARY LEAD; SMELTER; SECONDARY LEAD SMELTER; INDUSTRIAL	PM
20402C	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL	PM
20403C	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD; SECONDARY LEAD; INDUSTRIAL; FURNACE; REVERBERATORY FURNACE	PM
20404C	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
20405C	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD; SECONDARY LEAD; MELTING POT; INDUSTRIAL	PM
20406C	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD; SECONDARY LEAD; YARD DUST; INDUSTRIAL	PM
20501C	Zinc Oxide Kiln	SPECIATE 3.2	KILN; ZINC OXIDE; INDUSTRIAL	PM
20502C	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
20503C	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE; ANTIMONY ROASTING; INDUSTRIAL	PM
21101C	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
21102C	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
21103C	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
21150C	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
21203C	Coke Dust	SPECIATE 3.2	COKE; COKE DUST; INDUSTRIAL	PM
21204C	Coal Dust	SPECIATE 3.2	COAL DUST; INDUSTRIAL	PM
21205C	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
21206C	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD; LEAD; SODA FLUX; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
21301C	Copper Ore Crushing	SPECIATE 3.2	COPPER; COPPER ORE CRUSHING; COPPER ORE; INDUSTRIAL	PM
21302C	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER; COPPER ORE MILL; INDUSTRIAL	PM
21303C	Copper Ore Concentrate	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
21304C	Copper Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL	PM
21320C	Copper Ore - Composite	SPECIATE 3.2	COPPER; COPPER ORE; INDUSTRIAL	PM
21340C	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER; MINING; COPPER MINING; COPPER MINING WASTE; INDUSTRIAL; COPPER ORE	PM
21401C	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL; FEED; MINING	PM
21501C	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG DUST; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
22101C	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
22102C	Particle Board Dryer	SPECIATE 3.2	DRYER; PARTICLE BOARD; WOOD; PARTICLE BOARD DRYER; INDUSTRIAL	PM
22103C	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER; WOOD COMBUSTION; PARTICLE BOARD DRYER; INDUSTRIAL	PM
22201C	Wood Products - Sander dust	SPECIATE 3.2	WOOD; SANDERDUST; INDUSTRIAL	PM
22202C	Sawdust	SPECIATE 3.2	SAWDUST; WOOD; INDUSTRIAL	PM
22203C	Wood Sander Dust	SPECIATE 3.2	SANDER; WOOD; INDUSTRIAL	PM
22301C	Veneer Dryer	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
22302C	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL	PM
22303C	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER; VENEER DRYER; INDUSTRIAL; WOOD COMBUSTION; SANDER	PM
23103C	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
23104C	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE; KRAFT RECOVERY FURNACE; INDUSTRIAL	PM
23202C	Lime Kiln	SPECIATE 3.2	KILN; LIME; LIME KILN; INDUSTRIAL	PM
24101C	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER; SULFITE; SULFITE RECOVERY BOILER; INDUSTRIAL	PM
25201C	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE; CALCIUM CARBIDE FURNACE; FURNACE; INDUSTRIAL	PM
25302C	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL; CHARCOAL MANUFACTURING; INDUSTRIAL	PM
25401C	Silica Manufacturing	SPECIATE 3.2	SILICA; SILICA MANUFACTURING; INDUSTRIAL	PM
25402C	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT; ASPHALT ROOFING; ASPHALT ROOFING MANUFACTURING; INDUTRIAL	PM
25403C	Paint Spray Booth	SPECIATE 3.2	PAINT; SPRAY BOOTH; SURFACE COATING; INDUSTRIAL	PM
25404C	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER; FERTILIZER PRODUCTION; UREA; UREA FERTILIZER PRODUCTION; UREA FERTILIZER; INDUSTRIAL	PM
25405C	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID; BORIC ACID MANUFACTURING; INDUSTRIAL	PM
25406C	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM; CARBORUNDUM MANUFACTURING; INDUSTRIAL	PM
25407C	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS; PHOSPHOROUS MANUFACTURING; INDUSTRIAL	PM
25408C	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION; FERTILIZER; PHOSPHATE; PHOSPHATE ROCK; INDUSTRIAL	PM
25409C	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE; PRILL TOWER; INDUSTRIAL	PM
25410C	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE; AMMONIUM SULFATE PRODUCTION; INDUSTRIAL	PM
25411C	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE; DIAMMONIUM PHOSPHATE PRODUCTION; INDUSTRIAL	PM
25412C	Superphosphate Plant	SPECIATE 3.2	FERTILIZER; SUPERPHOSPHATE; SUPERPHOSPHATE PLANT; INDUSTRIAL	PM
25413C	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE; INDUSTRIAL	PM
25414C	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE; INDUSTRIAL	PM
25415C	Npk Fertilizer	SPECIATE 3.2	FERTILIZER; NPK; NPK FERTILIZER; INDUSTRIAL	PM
25416C	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID; PHOSPHORIC ACID PLANT; INDUSTRIAL	PM
25417C	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER; MONOAMMONIUM PHOSPHATE; MONOAMMONIUM PHOSPHATE DRYER; INDUSTRIAL	PM
25418C	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER; FERTILIZER; PHOSPHATE FERTILIZER; INDUSTRIAL	PM
25419C	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE; SUPERPHOSPHATE; TRIPLE; SUPERPHOSPHATE; INDUSTRIAL	PM
25420C	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; INDUSTRIAL	PM
25421C	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL; ELEMENTAL PHOSPHOROUS; PHOSPHOROUS; ELEMENTAL PHOSPHOROUS PLANT; CALCINER	PM
25422C	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS; PHOSPHORUS; FURNACE; ELEMENTAL PHOSPHORUS PLANT; INDUSTRIAL	PM
25500C	Tar Pot	SPECIATE 3.2	TAR POT; ROOFING; ASPHALT ROOFING; ASPHALT	PM
25701C	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION; GALVANIZING; ZINC OXIDE; INDUSTRIAL	PM
25702C	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION; SANDBLASTING; INDUSTRIAL	PM
25703C	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION; WELDING; INDUSTRIAL	PM
26101C	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS; PROCESS HEATERS; REFINERY; NATURAL GAS COMBUSTION; INDUSTRIAL	PM
26202C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
26203C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
26204C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
26205C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; REFINERY; INDUSTRIAL	PM
26206C	Coke Calciner	SPECIATE 3.2	CALCINER; COKE; COKE CALCINER; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
26207C	Green Coke Dust	SPECIATE 3.2	COKE; GREEN COKE; INDUSTRIAL	PM
26208C	Coke Cooler	SPECIATE 3.2	COKE; COKE COOLER; INDUSTRIAL	PM
26209C	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER; INDUSTRIAL	PM
27102C	Glass Furnace	SPECIATE 3.2	FURNACE; GLASS; GLASS FURNACE; INDUSTRIAL	PM
27201C	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT; NATURAL GAS COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
27203C	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT; COAL COMBUSTION; KILN; CEMENT KILN; INDUSTRIAL	PM
27204C	Portland Cement Dust	SPECIATE 3.2	CEMENT; PORTLAND CEMENT; INDUSTRIAL	PM
27205C	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL; CEMENT; INDUSTRIAL	PM
27501C	Gypsum Calciner	SPECIATE 3.2	CALCINER; GYPSUM; GYPSUM CALCINER; INDUSTRAIL	PM
27502C	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
27503C	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL; KILN; GYPSUM	PM
27504C	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL; GYPSUM	PM
27601C	Lime Handling	SPECIATE 3.2	LIME; INDUSTRIAL	PM
27602C	Lime Kiln	SPECIATE 3.2	KILN; LIME; INDUSTRIAL	PM
28201C	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON; FURNACE; CAST IRON INDUCTION FURNACE; INDUCTION FURNACE; INDUSTRIAL	PM
28202C	Cast Iron Cupola	SPECIATE 3.2	CAST IRON; CUPOLA; INDUSTRIAL	PM
28301C	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION; STEEL SINTER PLANT; STEEL; INDUSTRIAL	PM
28302C	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; OPEN HEARTH FURNACE; STEEL; INDUSTRIAL	PM
28303C	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
28304C	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE; SINTER; INDUSTRIAL	PM
28305C	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE; ELECTRIC ARC FURNACE; FURNACE; STEEL; INDUSTRIAL	PM
28306C	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION; STEEL; INDUSTRIAL	PM
28307C	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION; FURNACE; BASIC OXYGEN FURNACE; STEEL; INDUSTRIAL	PM
28401C	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE; FURNACE; FERROMANGANESE FURNACE; INDUSTRIAL	PM
28601C	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH; FOUNDRY; STEEL; STEEL FOUNDRY; STEEL HEAT TREATING; INDUSTRIAL	PM
29101C	Aluminum Processing	SPECIATE 3.2	ALUMINUM; ALUMINUM PROCESSING; INDUSTRAIL	PM
29102C	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM; ALUMINUM REDUCTION POTLINE; INDUSTRAIL	PM
29201C	Copper Oxide Kiln	SPECIATE 3.2	KILN; COPPER OXIDE; COPPER OXIDE KILN; INDUSTRIAL	PM
29202C	Primary Copper Smelter	SPECIATE 3.2	COPPER; PRIMARY COPPER; SMELTER; PRIMARY COPPER SMELTER; INDUSTRIAL	PM
29203C	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; REVERBERATORY FURNACE; INDUSTRIAL	PM
29204C	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
29205C	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
29206C	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; INDUSTRIAL	PM
29207C	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; SLAG; PRIMARY COPPER FLASH FURNACE; INDUSTRIAL	PM
29208C	Primary Copper - Process Stack	SPECIATE 3.2	COPPER; PRIMARY COPPER; INDUSTRIAL	PM
29209C	Primary Copper Roaster	SPECIATE 3.2	COPPER; PRIMARY COPPER; ROASTER; PRIMARY COPPER ROASTER; INDUSTRIAL	PM
29210C	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER; FLASH FURNACE; FURNACE; PRIMARY COPPER; REVERBERATORY FURNACE; PRIMARY COPPER REVERB FURNACE; INDUSTRIAL	PM
29211C	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER; PRIMARY COPPER CONVERTER; PRIMARY COPPER; CONVERTER; INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
29301C	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD; PRIMARY LEAD; SLAG; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29302C	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29303C	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING; LEAD; SMELTER; PRIMARY LEAD; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29304C	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING; LEAD; PRIMARY LEAD; PRIMARY LEAD SMELTING; SMELTER; INDUSTRIAL	PM
29305C	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE; FURNACE; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29306C	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29307C	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE; LEAD; PRIMARY LEAD; REVERBERATORY FURNACE; SMELTER; PRIMARY LEAD SMELTING; DROSS REVERBERATORY FURNACE; INDUSTRIAL	PM
29309C	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER; LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29310C	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
29311C	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG; LEAD; PRIMARY LEAD; SMELTER; INDUSTRIAL	PM
29330C	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD; PRIMARY LEAD; SMELTER; PRIMARY LEAD SMELTING; INDUSTRIAL	PM
29501C	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE; COPPER; SECONDARY PYROMETAL; INDUSTRIAL	PM
29502C	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER; COPPER; SECONDARY COPPER PYROMETAL; INDUSTRIAL; SECONDARY COPPER	PM
31101C	Light Duty Vehicles-Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31102C	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED GASOLINE COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
31103C	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31104C	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31105C	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; LEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31106C	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
31107C	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
31108C	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION; NON-CATALYST VEHICLES; LIGHT DUTY VEHICLES; VEHICLES	PM
31201C	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31202C	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31203C	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES; UNLEADED GASOLINE COMBUSTION; GASOLINE COMBUSTION; VEHICLES	PM
31230C	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES; VEHICLES	PM
32101C	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
32102C	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
32103C	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
32104C	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; LIGHT DUTY VEHICLES; VEHICLES	PM
32202C	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
32203C	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
32204C	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
32205C	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES	PM
32206C	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
32207C	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES; HEAVY DUTY VEHICLES	PM
32208C	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION; HEAVY DUTY VEHICLES	PM
33001C	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION; LEADED/UNLEADED GASOLINE COMBUSTION; VEHICLES	PM
33002C	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; DIESEL COMBUSTION; LEADED/UNLEADED COMBUSTION; TIRE WEAR; ROADWAY	PM
33003C	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES; GASOLINE COMBUSTION; LEADED/UNLEADED COMBUSTION;	PM
33004C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES	PM
33005C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
33006C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
33007C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
33008C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; TIRE WEAR; VEHICLES; ASBESTOS BRAKES	PM
33009C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
33010C	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	PM
33011C	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
33020C	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE; VEHICLES	PM
34001C	Jet Aircraft	SPECIATE 3.2	AIRCRAFT; JET AIRCRAFT	PM
34002C	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
34003C	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
34004C	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES; BRAKE LINING; VEHICLES	PM
34005C	Motor Oil	SPECIATE 3.2	MOTOR OIL; VEHICLES	PM
34006C	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS; SEMIMETAL BRAKE PADS; VEHICLES	PM
34007C	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS; ORGANOMETALLIC BRAKE PADS; VEHICLES	PM
34008C	Tire Wear	SPECIATE 3.2	VEHICLES; TIRE WEAR	PM
41101C	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41102C	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41103C	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41104C	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41105C	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41106C	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41107C	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41109C	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41110C	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41111C	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41112C	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41113C	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41114C	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41115C	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41116C	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41117C	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41118C	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41119C	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41120C	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41121C	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
41122C	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41123C	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41124C	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41130C	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41131C	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41132C	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41133C	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41134C	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41135C	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41136C	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41137C	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41138C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41139C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41140C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41141C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41142C	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY; PAVED ROAD; VEHICLES	PM
41201C	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING; ROADWAY; UNPAVED ROAD; VEHICLES	PM
41203C	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
41204C	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
41205C	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
41206C	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; ORE DUST; VEHICLES	PM
41207C	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
41220C	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY; UNPAVED ROAD; VEHICLES	PM
41301C	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
41302C	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
41303C	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
41304C	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
41305C	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
41306C	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
41307C	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
41308C	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
41309C	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
41310C	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
41311C	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
41312C	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
41313C	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
41314C	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
41315C	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
41316C	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
41318C	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
41319C	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
41320C	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
41321C	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
41322C	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
41323C	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
41324C	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
41325C	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
41326C	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
41327C	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
41328C	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
41329C	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
41330C	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
41331C	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
41350C	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
41351C	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
41352C	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
41353C	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
41401C	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY; ROAD SAND; ROAD SALT; VEHICLES	PM
41500C	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
42101C	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
42102C	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE; WOOD COMBUSTION	PM
42103C	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION; WOOD COMBUSTION; WOOD STOVE	PM
42104C	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
42105C	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
42106C	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
42107C	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION; NATURAL GAS HOME APPLIANCE	PM
42201C	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
42202C	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
42203C	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES; SOFTWOOD COMBUSTION; WOOD COMBUSTION	PM
42204C	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES; HARDWOOD COMBUSTION; WOOD COMBUSTION	PM
42205C	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES; SYNTHETIC LOGS COMBUSTION; WOOD COMBUSTION	PM
42301C	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42302C	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42303C	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
42304C	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
42305C	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42306C	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42307C	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42308C	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42309C	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42310C	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42311C	Slash Burning (Tractor-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42312C	Slash Burning (Tractor-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42313C	Slash Burning (Crane-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42314C	Slash Burning (Crane-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42315C	Slash Burning (Chaparral; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42316C	Slash Burning (Chaparral; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION; SLASH BURNING	PM
42317C	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
42318C	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
42319C	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
42320C	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
42321C	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION; PRESCRIBED BURN	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
42322C	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
42323C	Field Burning - Perenial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
42324C	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
42330C	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE; FIREPLACES	PM
42331C	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION; WOOD STOVE	PM
43101C	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
43201C	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION; SPACE HEATING	PM
43301C	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
43302C	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING; SMUDGE POTS	PM
43303C	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION; UTILITY; POWER PLANT; ELECTRIC GENERATION; FLY ASH	PM
43304C	Limestone, Crustal	SPECIATE 3.2	CRUSTAL; LIMESTONE; CRUSTAL	PM
43305C	Shale, Crustal	SPECIATE 3.2	CRUSTAL; SHALE; CRUSTAL	PM
43306C	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL; SANDSTONE; CRUSTAL	PM
43307C	Sediment, Crustal	SPECIATE 3.2	CRUSTAL; SEDIMENT; CRUSTAL	PM
43308C	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
43309C	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
44101C	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
44102C	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION; SOIL DUST	PM
44103C	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING; SOIL DUST; EXCAVATION	PM
44104C	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING; SANDBLASTING; SOIL DUST	PM
90001C	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
90002C	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	PM
90003C	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE; INDUSTRIAL	PM
90004C	Steel Production - Average	SPECIATE 3.2	STEEL; STEEL PRODUCTION; INDUSTRIAL	PM
90005C	Lead Smelters - Average	SPECIATE 3.2	LEAD; SMELTER; LEAD SMELTER; INDUSTRIAL	PM
90006C	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL; MINING; METAL MINING	PM
90007C	Primary Metal Production - Average	SPECIATE 3.2	METAL; PRIMARY METAL; PRIMARY METAL PRODUCTION; INDUSTRIAL	PM
90008C	Secondary Metal Production - Average	SPECIATE 3.2	METAL; SECONDARY METAL; SECONDARY METAL PRODUCTION; INDUSTRIAL	PM
90009C	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM; SECONDARY ALUMINUM; INDUSTRIAL	PM
90010C	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON; FOUNDRY; GRAY IRON FOUNDRY; INDUSTRIAL	PM
90011C	Steel Foundry - General	SPECIATE 3.2	FOUNDRY; STEEL; STEEL FOUNDRY; INDUSTRIAL	PM
90012C	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING; CLAY; FLY ASH; SINTERING; INDUSTRIAL	PM
90013C	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS; INDUSTRIAL	PM
90014C	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRUAL	PM
90015C	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY; PULP AND PAPER; INDUSTRIAL	PM
90016C	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM

Table A-3. Summary of Other Gases Profiles Incorporated into the SPECIATE 4.2 Database

Profile Number	Name	Data Origin	Keyword	Profile Type
5271	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5272	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5273	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5274	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5275	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5276	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5277	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5278	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5279	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5280	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5281	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5282	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5283	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5284	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5285	Gasoline Vehicle	EPA OTAQ	Gasoline Vehicle; Speciated Mercury	Other gases
5286	Diesel Vehicle	EPA OTAQ	Diesel Vehicle; Speciated Mercury	Other gases
5287	Diesel Vehicle	EPA OTAQ	Diesel Vehicle; Speciated Mercury	Other gases
5288	Diesel Vehicle	EPA OTAQ	Diesel Vehicle; Speciated Mercury	Other gases
5289	Nonroad Gasoline Vehicle	EPA OTAQ	Nonroad Gasoline Vehicle; Speciated Mercury	Other gases
5290	Nonroad Diesel Vehicle (aircraft, locomotive)	EPA OTAQ	Nonroad Diesel Vehicle (aircraft; locomotive); Speciated Mercury	Other gases
5291	Nonroad Marine using Bunker Fuel	EPA OTAQ	Nonroad Marine using Bunker Fuel; Speciated Mercury	Other gases
6100	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6101	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6102	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6103	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6104	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6105	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6106	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6107	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6108	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6109	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6110	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6111	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6112	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6113	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6114	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6115	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6116	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6117	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6118	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6119	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6120	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases

Profile Number	Name	Data Origin	Keyword	Profile Type
6121	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6122	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6123	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6124	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6125	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6126	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6127	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6128	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6129	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6130	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6131	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6132	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6133	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6134	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6135	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6136	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6137	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6138	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6139	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6140	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6141	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6142	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6143	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6144	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6145	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6146	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6147	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6148	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6149	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6150	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6151	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6152	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6153	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6154	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6155	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6156	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6157	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6158	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6159	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6160	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6161	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6162	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6163	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6164	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6165	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6166	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases

Profile Number	Name	Data Origin	Keyword	Profile Type
6167	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6169	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6170	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6171	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6173	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6174	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6175	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6176	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6177	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6178	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6179	Coal-Fired Power Plant	EPA	Power Plant; Coal-Fired; Mercury Speciation	Other gases
6180	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6181	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6182	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6183	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6184	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6185	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6186	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6187	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6188	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6189	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6190	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6191	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6192	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6193	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6194	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6195	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6196	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6197	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6198	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6199	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6200	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6201	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6202	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6203	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6204	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6205	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6206	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6207	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6208	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6209	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6210	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6211	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6212	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6213	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6214	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases

Profile Number	Name	Data Origin	Keyword	Profile Type
6215	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6216	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6217	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6218	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6219	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6220	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6221	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6222	Aircraft Exhaust	CARB	Aircraft Exhaust; NO/NO2	Other gases
6223	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6224	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6225	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6226	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6227	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6228	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6229	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6230	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6231	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6232	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6233	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6234	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6235	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6236	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6237	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6238	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6239	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6240	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6241	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases

Profile Number	Name	Data Origin	Keyword	Profile Type
6242	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6243	Diesel Exhaust	EPA, CARB, DOE NREL, South Coast, EMA	Diesel Exhaust; Heavy-heavy duty truck; NO/NO2	Other gases
6244	Diesel Generator Exhaust	ES&T	Diesel Generator Exhaust; NO/NO2	Other gases
6245	Diesel Generator Exhaust	ES&T	Diesel Generator Exhaust; NO/NO2	Other gases
6246	Diesel Generator Exhaust	ES&T	Diesel Generator Exhaust; NO/NO2	Other gases
6247	Diesel Generator Exhaust	ES&T	Diesel Generator Exhaust; NO/NO2	Other gases
6248	Diesel Generator Exhaust	ES&T	Diesel Generator Exhaust; NO/NO2	Other gases
6249	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6250	Diesel Exhaust - Heavy-heavy duty truck - CARB CREEP	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CREEP	Other gases
6251	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6252	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6253	Diesel Exhaust - Heavy-heavy duty truck - CARB LONG IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB LONG IDLE	Other gases
6254	Diesel Exhaust - Heavy-heavy duty truck - CARB LONG CREEP	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB LONG CREEP	Other gases
6255	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6256	Diesel Exhaust - Heavy-heavy duty truck - CARB CREEP	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CREEP	Other gases
6257	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6258	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6259	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	Other gases
6260	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	Other gases
6261	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	Other gases
6262	Diesel Exhaust - Heavy-heavy duty truck - CARB Urban Driving Dynamometer Schedule	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB Urban Driving Dynamometer Schedule	Other gases
6263	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6264	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6265	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED IDLE	Other gases
6266	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED CREEP	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED CREEP	Other gases
6267	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases

Profile Number	Name	Data Origin	Keyword	Profile Type
6268	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6269	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED IDLE	Other gases
6270	Diesel Exhaust - Heavy-heavy duty truck - CARB CREEP	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CREEP	Other gases
6271	Diesel Exhaust - Heavy-heavy duty truck - CARB UDDS	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB UDDS	Other gases
6272	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6273	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6274	Diesel Exhaust - Heavy-heavy duty truck - CARB EXTENDED CREEP	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB EXTENDED CREEP	Other gases
6275	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6276	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6277	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6278	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6279	Diesel Exhaust - Heavy-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB CRUISE	Other gases
6280	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6281	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6282	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6283	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6284	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6285	Diesel Exhaust - Heavy-heavy duty truck - CARB IDLE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB IDLE	Other gases
6286	Diesel Exhaust - Medium-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Medium-heavy duty truck; CARB TRANSIENT	Other gases
6287	Diesel Exhaust - Medium-heavy duty truck - CARB CRUISE	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Medium-heavy duty truck; CARB CRUISE	Other gases
6288	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6289	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6290	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases

Profile Number	Name	Data Origin	Keyword	Profile Type
6291	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6292	Diesel Exhaust - Heavy-heavy duty truck - CARB TRANSIENT	EPA, CARB, DOE NREL, South Coast, EMA	SVOC; Diesel Exhaust; Heavy-heavy duty truck; CARB TRANSIENT	Other gases
6293	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel	Other gases
6294	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	Other gases
6295	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel - Diesel PM Filter	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel; Diesel PM Filter	Other gases
6296	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	Other gases
6297	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	Other gases
6298	Diesel Exhaust - Light-heavy-duty Diesel Van - Low Sulfur Diesel (EC-D)	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Van; Low Sulfur Diesel (EC-D)	Other gases
6299	Diesel Exhaust - Light-heavy-duty Diesel Van - California Reformulated Diesel 2	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Van; California Reformulated Diesel 2	Other gases
6300	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	Other gases
6301	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	Other gases
6302	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	Other gases
6303	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	Other gases
6304	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - Low Sulfur Diesel (EC-D)	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; Low Sulfur Diesel (EC-D)	Other gases
6305	Diesel Exhaust - Light-heavy-duty Diesel Pickup Truck - California Reformulated Diesel 2	University of California at Riverside	SVOC; Diesel Exhaust; Light-heavy-duty Diesel Pickup Truck; California Reformulated Diesel 2	Other gases
6306	Aircraft Exhaust	CARB	SVOC; Aircraft Exhaust	Other gases
6307	Aircraft Exhaust	CARB	SVOC; Aircraft Exhaust	Other gases
6308	Aircraft Exhaust	CARB	SVOC; Aircraft Exhaust	Other gases
6309	Aircraft Exhaust	CARB	SVOC; Aircraft Exhaust	Other gases
6310	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6311	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6312	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6313	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6314	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6315	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6316	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases
6317	NO/NO2/HONO - Aircraft Exhaust	ES&T	Aircraft Exhaust, NO/NO2/HONO	Other gases

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APPENDIX B. PROTOCOL FOR EXPANSION OF SPECIATE DATABASE

MEMORANDUM

Date: May 30, 2005

To: Lee Beck, U.S. Environmental Protection Agency, Office of Research and Development

From: Y. Hsu and S. Roe, E.H. Pechan & Associates, Inc.

Subject: Protocol for Expansion of the SPECIATE Database
EPA Contract No. 68-D-00-265, WA No. 4-46

This memorandum is intended to guide profile data collectors on how to collect and present source profile data to maximize their utility to SPECIATE users, to assist future SPECIATE managers in assessing whether the data should be incorporated, and to facilitate the process for preparing profiles in SPECIATE format.

Background

In order to ensure that future profile development meets the needs of the SPECIATE user community, the SPECIATE workgroup has prepared several recommendations for speciation profile developers based on recent SPECIATE database updates and previous guidance from EPA (EPA, 2002) and other scientists (Watson and Chow, 2002). For this discussion, SPECIATE users are defined as individuals who: (1) conduct regional haze, $PM_{2.5}$, and ozone modeling; (2) prepare speciated emissions inventories; (3) use the Chemical Mass Balance or other receptor models; (4) and/or verify profiles derived from ambient monitoring measurements by multivariate receptor models such as UNMIX.

Speciation Data Collection

Profiles are defined as the weight percent of chemical species that make up a source-specific emission stream. Volatile organic compound (VOC) profiles should include the weight percent of each of the species present. When all organic gas species are present (e.g. methane, carbonyls, hydrocarbons), these profiles are referred to as total organic gas (TOG) profiles. At a minimum, these profiles should include the 56 Photochemical Assessment Monitoring Station (PAMS) species, as well as any other species that are available.

Particulate matter (PM) profiles should include the weight percent for each of the species present. Minimum data requirements are for the major elements reported by the IMPROVE and $PM_{2.5}$ Speciation Trends networks, water-soluble ions (sulfates and nitrates at a minimum, plus ammonium, potassium, sodium, chloride, fluoride, phosphate, calcium, and magnesium, if available), and carbon fractions [Total Carbon (TC), Organic Carbon (OC), and Elemental

Carbon (EC)], preferably with other fractions that are defined by the method, such as the eight IMPROVE carbon fractions and carbonate carbon). Organic fractions, isotopic abundances, organic compounds, and single particle properties should be included, where they are reported and well-defined. Test results from dilution sampling trains are recommended for use in SPECIATE, since these results come closest to representing the composition of emissions in the ambient air.

Profile data must contain information on the chemical abundance of each species noted above. These data can be defined as the fraction of mass emissions of PM/VOC/TOG or the mass emission rate of each species (e.g. lb/ton, g/VMT, etc.). In addition to the estimate of central tendency for each species (e.g. mean, median), an estimate of the variability of each species should also be provided (e.g. standard deviation). Priority should be given to profiles that express the mean and standard deviation of individual test profiles for representative samples. If statistics other than the mean and standard deviation are provided, the method used to estimate central tendency and variability should be described.

Available information on the analytical uncertainty for individual test profiles should be identified and described separately. For example, if the analytical method for a certain species is known to have a precision of +/- 20%, then this information should be listed for each applicable species.

Documentation

The primary reference for the profile should be cited as the source of documentation, not secondary references that might have compiled profile data from one or more primary references. Secondary references should be cited only when original profiles have been modified (i.e. by aerosol aging, different sample compositing, different normalization methods, etc.). The notes column in the SPECIATE database should be used to store this information, as well as additional descriptive information on the profile, such as vehicle model year, engine size, vehicle identification number, and other descriptors that might be used to document a mobile source profile.

Profile developers must provide extensive documentation of their results. This should include documentation of the entire experimental program. Where appropriate, this should include fuel type, operating parameters, type of facility, location, and date of test. Non-detects or incomplete analyses should be documented so that the reader fully understands the analytical results.

Data Format

Profile developers should transmit data in a form that can be easily added to the SPECIATE database. The new SPECIATE 4.0 database is a Microsoft Access relational database containing eight tables as described in Table C-1 of this appendix. The SPECIATE data structure is completely documented in the final report for SPECIATE 4.0. Information should be filled in as completely as possible, including references, test methods, analytical methods, Chemical Abstracts Service (CAS) numbers, data quality ratings, normalization basis, etc.

Data Normalization

Methods for profile normalization should be clearly documented, and the rationale for selecting the normalization basis should be stated. Normalization of organic gas data should be mass specific (i.e. mass species/mass TOG; emission rate species/emission rate TOG). Volume carbon basis is not recommended because it is objective (assumptions are needed regarding the composition of unresolved species). Whenever possible, the total gas chromatography (GC)-elutable organic gases normalization basis should be used and documented.

Normalization of PM data should be size-specific. Ideally, the profile will be normalized on total PM (with a specified upper size limit), PM_{10} and $PM_{2.5}$. However, normalization based on other size fractions can also be accommodated in SPECIATE. The normalized mass can be measured or be the weighted sum of major chemical components (sulfate, nitrate, ammonium, soil elements with assumed or measured oxides, organic carbon, elemental carbon, and sea salt). Profiles normalized on total gravimetric mass are preferred; however, if the sum of measured species basis is used, this should be noted and the reasoning for selecting this method stated.

Speciation Data Quality

Recommendations for or against inclusion of profiles in SPECIATE will be based on the perceived overall quality of the profiles. There are no simple criteria that can be set to scrutinize speciation data for inclusion in the SPECIATE 4.0 database. The supporting information housed within SPECIATE is therefore critically important. The SPECIATE 4.0 database provides structure sufficient to thoroughly document profiles and their underlying analysis, and should be completed as thoroughly as possible when preparing profiles for potential inclusion in the database.

Each profile has a quality rating that is assigned by the profile developer. The quality rating protocol is completely documented in the final report for SPECIATE 4.0. Speciation profiles developed from the following methods should be given a lower data quality rating:

1. Samples from combustion sources not collected by dilution sampling;
2. Low total speciated percentage (less than 80%);
3. PM profiles normalized by the “sum of species” mass, which assumes profiles of this type are fully speciated; and
4. Any noticeable outliers or other unreasonable test results (see examples provided below).

Additional profile quality considerations include:

- **Appropriate Method** – Reviewers experienced in analytical methods and application of speciation profiles will need to determine if characteristic compounds are present and properly measured. Sampling and analytical procedures need to be specific to the source and documented as thoroughly as possible. For example, the EPA Method TO-14 is not an appropriate method for dairy farm emission speciation. Since this method was developed to test industrial sources, fatty acids and other important organic species were not included in the target species list.

- **Measurement Precision** – Low precision is expected for certain species; the data quality ratings should reflect this issue. In cases where the sampling or analytical methods are found to be wholly inappropriate for a given species, these data should not be included in SPECIATE. For example, the wet chemistry using 2,4-Dinitrophenylhydrazine sampling procedure is not appropriate for acrolein measurement due to its poor recovery according to a study by California Air Resources Board (CARB) (Halm, 2003).

- **Overall Test Program Confidence** – Results obtained from the test program should be consistent with expectations for that source, and if not, the differences should be sufficiently accounted for. For example, in an U.S. Air Force sponsored study (AFIERA/RSEQ, 1998) measuring aircraft exhaust compositions, a brief discussion in the measurement section showed that the contractor measured essentially the same concentrations of target compounds in the background air as in the samples collected from aircraft exhaust. As a result, toxic species were reported at relatively low emission rates in this study. In cases where there are significant unexplainable results, the data should not be included in the SPECIATE database.

- **Source Category-specific Considerations** – For certain source categories such as the pulp and paper industry, oxygenated compounds contribute significantly to organic gas emissions. The generic total hydrocarbon (THC) method using flame ionization detectors (FID) calibrated with hydrocarbon standards (e.g. hexane) does not properly characterize the total TOG or VOC emissions. For processes whose emissions are dominated by methanol, this compound (and other oxygenated species) should be sampled and quantified separately using GC calibrated with a methanol standard (see Someshwar, 2003). Due to poor detector performance, the emission rates measured for THC were observed to be less than those measured specifically for methanol using an appropriate standard. Consequently, for this case, the THC is not suitable to serve as the normalization basis for this gas profile. The solution is to collect fully speciated data using appropriate methods and to consolidate all organic gases into a total organic gas profile for normalization.

Table B-1. Descriptive Data Dictionary

	Field	Type[1]	Length[2]	Decimals	Description
					PM_PROFILE Table
Primary key	P_NUMBER	C	10		PM Profile Number
	NAME	C	255		PM Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E of the final report for SPECIATE 4.0 for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
		M			Notes
	TOTAL	N	6	2	Sum of species percentages for a given profile, excluding organic species, inorganic gases, and elemental sulfur in individual PM profiles. (See Section IV.F “Double Counting Compounds” of this report for rationale.)
NOTES	MASTER_POL	C	5		Indicates the pollutant to be used in calculation. Allowed value: 'PM' In the future, other values may be allowed (e.g., PM_PRI, PM_FIL, PM_CON)
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized (see section IV.E for details)
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	INCL_GAS	L	1		Indicates whether or not the profile includes inorganic gas species (e.g., sulfur dioxide, hydrogen sulfide, oxides of nitrogen, etc.)
	TEST_YEAR	N	4	0	Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
REGION		C	50		Geographic region of applicability
	LOWER_SIZE	N	5	2	Identifies lower end of aerodynamic diameter particle size, micrometers
	UPPER_SIZE	N	5	2	Identifies upper end of aerodynamic diameter particle size, micrometers

Table B-1 (continued)

		Type[1]	Length[2]	Decimals	Description
Foreign key	SIBLING	C	10		GAS Profile number; samples taken from the same source and study, if available.
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?
	SIMPLIFIED	L	1		Is the profile a PM Simplified Profile?
				PM_SPECIE Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Specie Identifier (The same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		PM Profile number (Link to PM_Profile Table)
	WEIGHT_PER	N	7	3	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
		C	50		Description of Analytical method (e.g., X-ray fluorescence spectroscopy, ion chromatography, etc.)
				REFERENCE Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
ANLYMETHOD	DATA_ORIGN	C	50		Source of data (e.g., EPA Air Pollution Prevention and Control Division (APPCD), Schauer, CARB, Desert Research Institute (DRI), Literature)
	PRIMARY	L			Designates a reference as primary. When a profile is based on multiple references, this field allows one reference to be tagged as the primary reference.
	DESCRIPTIO	M			Stores the descriptive information about the profile.
	DOCUMENT	M			Complete reference citation.
				GAS_PROFILE Table	
Primary key	P_NUMBER	C	10		GAS Profile Number
	NAME	C	255		GAS Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E of the final report for SPECIATE 4.0 for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
		M			Notes

NOTES

Table B-1 (continued)

		Type[1]	Length[2]	Decimals	Description
	TOTAL	N	6	2	Sum of organic gas species percentages for a given profile
	MASTER_POL	C	4		Indicates the pollutant to be used in calculation. Allowed values: 'VOC', 'TOG'. When methane was not measured in a study, ethane, acetone and other non-VOCs are removed from the profile and it is defined as a VOC profile.
Field	T_METHOD	M			Description of sampling method
		C	25		Description of how profile was normalized
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	TEST_YEAR	N	4		Indicates year testing was conducted
NORM_BASIS	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	REGION	C	50		Geographic region of source
Foreign key	SIBLING	C	10		PM Profile number; samples taken from the same source and study, if available.
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?
	VOCtoTOG	N	7	3	VOC to TOG conversion factor
				GAS_SPECIE Table	
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Species Identifier (Must be the same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		GAS Profile Number (Link to GAS_PROFILE table)
	WEIGHT_PER	N	6	2	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
		C	50		Description of Analytical method (e.g., gas chromatography (GC)/flame ionization detector (FID), GC/mass spectrometer (MS), high performance liquid chromatography (HPLC)/ultraviolet-visible (UV))

Table B-1 (continued)

		Type[1]	Length[2]	Decimals	Description
			KEYWORD Table		
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P, G
Foreign key	P_NUMBER	C	10		Profile Number (Link to PM_PROFILE and GAS_PROFILE Tables)
		C	255		Keyword describing profile
Field			**SPECIE_PROPERTIES Table**		
Primary key	ID	N	9	0	Unique Identifier (Link to PM_SPECIES and GAS_SPECIES tables)
	CAS	C	50		Chemical Abstracts Service number assigned to pollutant (with hyphens) (blank if no CAS)
	EPA_ID	C	50		EPA Chemical Identifier; to be provided by EPA Substance Registry System (SRS) for species without CAS numbers
KEYWORD					
	SAROAD	C	5		Storage and Retrieval of Aerometric Data (SAROAD) code
	PAMS	L	1		Is PAMS pollutant? (Yes or No)
	HAPS	L	1		Is Hazardous Air Pollutant? (Yes or No)
		C	255		Pollutant name
	SYMBOL	C	9		Standard chemical abbreviation (provided by Eric Fujita, DRI)
		N	6	2	Species molecular weight
	NonVOCTOG	L	1		Is this species not regarded as a volatile organic gas?
	EPAITN	C	9		EPA Internal Tracking Number
		C	25		SPECIATE Temporary ID
NAME					
			MNEMONIC Table		
Primary key	ID	N	9	0	Unique Identifier
SPEC_MW					
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
	DRI_PNUMBR	C	6		DRI profile number (Original DRI profile numbers)
SPECIATETempID	MNEMONIC	C	60		Alphanumeric code unique to each profile. Used in CMB input files.

[1] Field types. C: Character; D: Date; L: Logical; M: Memo; N: Numeric; Object.
[2] Length – length allowed.

References:

AFIERA/RSEQ, 1998. *Aircraft Engine and Auxiliary Power Unit Emissions Testing for the US Air Force*, Environmental Quality Management Inc, and Roy F. Weston Inc., December 1998.

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APPENDIX C. SPECIATION PROFILES FOR EXAMPLE MIXTURES

Table C-1. New SPECIATE Profile #3141 for Mineral Spirits

Chemical Name	Weight Percent	CAS
METHYLCYCLOHEXANE	9.80	108872
N-HEPTANE	5.10	142825
N-UNDECANE	4.47	1120214
N-DECANE	4.34	124185
TOLUENE	4.15	108883
N-OCTANE	3.86	111659
ACETONE	3.48	67641
CIS-1,3-DIMETHYLCYCLOHEXANE	2.46	638040
ETHYL ALCOHOL	2.37	64175
2-METHYLHEPTANE	2.18	592278
2,6-DIMETHYLNONANE	1.40	17302282
3-METHYLHEPTANE	1.38	589811
1,2,4-TRIMETHYLBENZENE {1,3,4-TRIMETHYLBENZENE}	1.38	95636
1,2,4-TRIMETHYLCYCLOPENTANE	1.33	99073
2-METHYLHEXANE	1.29	591764
TRANS,TRANS-1,2,4-TRIMETHYLCYCLOHEXANE	1.21	1678804
N-NONANE	1.17	111842
1,2-DIMETHYLCYCLOPENTANE	1.15	2452995
N-BUTYL ACETATE	1.14	123864
M-XYLENE	1.12	108383
ETHYL PROPYLCYCLOHEXANES	1.10	90090
ETHYLCYCLOHEXANE	1.01	1678917
4-METHYLNONANE	0.94	17301949
METHYL AMYL KETONE	0.86	110430
TRANS-1,4-DIMETHYLCYCLOHEXANE	0.85	2207047
TRANS-1,3-DIMETHYLCYCLOHEXANE	0.83	2207036
2-METHYLDECANE	0.83	6975980
METHYL PROPYLCYCLOHEXANES	0.82	26967646
2,6-DIMETHYLHEPTANE	0.76	1072055
3-METHYLDECANE	0.75	13151343
CIS-1,CIS-3,5-TRIMETHYLCYCLOHEXANE	0.69	1795273
1,2,3-TRIMETHYLCYCLOPENTANE	0.68	99074
TRANS,CIS-1,2,4-TRIMETHYLCYCLOHEXANE	0.67	99075
1,1,3-TRIMETHYLCYCLOPENTANE	0.66	4516692
1,1,3-TRIMETHYLCYCLOHEXANE	0.65	3073663
4-METHYLDECANE	0.64	2847725
1,2,3-TRIMETHYLBENZENE	0.63	526738
TRANS,TRANS-1,3,5-TRIMETHYLCYCLOHEXANE	0.63	99076
5-METHYLDECANE	0.63	13151354
4-METHYLHEPTANE	0.60	589537
BUTYLCYCLOHEXANE	0.58	1678939
N-DODECANE	0.57	112403

Table C-1 (continued)

Chemical Name	Weight Percent	CAS
2-METHYLNONANE	0.56	871830
ETHYLCYCLOPENTANE	0.56	1640897
TRANS-1,3-DIMETHYLCYCLOPENTANE	0.54	1759586
2,6-DIMETHYLOCTANE	0.54	2051301
5-METHYLINDAN	0.52	874351
1-METHYL-4N-PROPYLBENZENE	0.51	1074551
2,3-DIMETHYLOCTANE	0.49	7146603
BUTYL CELLOSOLVE {2-BUTOXYETHANOL} {EGBE}	0.48	111762
2,4-DIMETHYLHEXANE	0.45	589435
1-METHYL-4-ETHYLBENZENE	0.45	622968
4-METHYLOCTANE	0.45	2216344
2,5-DIMETHYLHEPTANE	0.44	2216300
3,7-DIMETHYLNONANE	0.44	17302328
CIS-1-ETHYL-3-METHYLCYCLOHEXANE	0.44	19489102
ETHYLBENZENE	0.43	100414
PROPYLCYCLOHEXANE	0.43	1678928
CIS-1,3-DIMETHYLCYCLOPENTANE	0.41	2532583
1-METHYLINDAN	0.41	767588
1-METHYL-3-ISOPROPYLBENZENE	0.41	535773
3-METHYLOCTANE	0.40	2216333
1,2,3-TRIMETHYLCYCLOHEXANE	0.40	1678973
OTHER C12	0.39	99035
METHYL ALCOHOL	0.37	67561
1-METHYL-2-ETHYLBENZENE	0.37	611143
2,5-DIMETHYLNONANE	0.37	17302271
P-XYLENE	0.35	106423
1-METHYL-3-ISOPROPYLCYCLOHEXANE	0.35	99040
1,2-DIMETHYL-4-ETHYLBENZENE	0.34	934805
3-METHYLNONANE	0.33	5911046
1-METHYL-3-ETHYLBENZENE	0.33	620144
O-XYLENE	0.32	95476
2,3-DIMETHYLHEXANE	0.32	584941
PENTYLCYCLOPENTANE	0.32	3741002
1-METHYL-2-ISOPROPYLCYCLOHEXANE	0.32	99041
3-ETHYLHEXANE	0.32	619998
2-METHYLOCTANE	0.31	3221612
OTHER C9	0.30	99032
ISOBUTYLCYCLOHEXANE	0.30	1678984
2-METHYLUNDECANE {ISODODECANE}	0.30	7045718
ISOPROPYLCYCLOHEXANE	0.29	696297
1,2,3,5-TETRAMETHYLBENZENE	0.29	527537
CIS,TRANS-1,2,4-TRIMETHYLCYCLOHEXANE	0.28	99079
1,3-DIMETHYL-2-ETHYLBENZENE	0.26	2870044
2,6-DIMETHYLDECANE	0.26	13150817
1,3-DIMETHYL-5-ETHYLBENZENE	0.26	934747
1,1-DIMETHYLCYCLOHEXANE	0.26	590669

Table C-1 (continued)

Chemical Name	Weight Percent	CAS
NAPHTHALENE	0.25	91203
ISOPROPYLBENZENE (CUMENE)	0.24	98828
DIETHYLCYCLOHEXANE	0.24	98062
2,4-DIMETHYLHEPTANE	0.23	2213232
TRANS-1-ETHYL-3-METHYLCYCLOHEXANE	0.23	99080
1,1,2-TRIMETHYLCYCLOPENTANE	0.22	4259001
1,2,4,5-TETRAMETHYLBENZENE	0.22	95932
1,4-DIMETHYL-2-ETHYLBENZENE	0.21	1758889
PENTYLCYCLOHEXANE	0.21	4292926
TRANS-1-ETHYL-4-METHYLCYCLOHEXANE	0.21	99082
INDAN	0.20	496117
3-ETHYL-2-METHYLHEPTANE	0.19	14676290
4,5-DIMETHYLOCTANE	0.19	15869962
1,1,3,4-TETRAMETHYLCYCLOHEXANE	0.18	99043
6-ETHYL-2-METHYLOCTANE	0.18	99044
3-PHENYLPENTANE	0.18	1196583
6-METHYLUNDECANE	0.18	99045
2,3-DIMETHYLPENTANE	0.17	565593
1-ETHYL-2-METHYLCYCLOPENTANE	0.17	99083
1-ETHYL-3-METHYLCYCLOPENTANE	0.17	99048
1,2-DIMETHYL-3-ETHYLCYCLOHEXANE	0.17	99046
CYCLOHEXANE	0.16	110827
3-ETHYLHEPTANE	0.16	15869804
4-ETHYLDECANE	0.16	99049
CIS-1,4-DIMETHYLCYCLOHEXANE	0.16	624293
OTHER C10	0.16	99033
3-METHYLHEXANE	0.15	589344
1-ETHYL-4-ISOPROPYLBENZENE	0.15	4218488
CIS-BICYCLO[4.3.0]NONANE	0.15	4551513
3,4-DIMETHYLHEXANE	0.15	583482
1,1,4-TRIMETHYLCYCLOHEXANE	0.15	7094271
1,3-DIMETHYL-4-ETHYLBENZENE	0.14	874419
OTHER C11	0.14	99034
3-ETHYL-3-METHYLOCTANE	0.14	99051
2-METHYLDECALIN	0.14	99050
3,6-DIMETHYLOCTANE	0.13	15869940
TRANS-1-ETHYL-2-METHYLCYCLOHEXANE	0.13	4923788
(2-METHYLBUTYL)CYCLOHEXANE	0.13	99052
1,2-DIETHYL-1-METHYLCYCLOHEXANE	0.13	99053
CIS,CIS-1,2,4-TRIMETHYLCYCLOHEXANE	0.13	99054
3-METHYLUNDECANE	0.13	1002433
1,3,5-TRIMETHYLBENZENE	0.12	108678
2,2,5-TRIMETHYLHEXANE	0.12	3522949
3,5-DIMETHYLOCTANE	0.12	15869939
4-METHYLUNDECANE	0.12	2980690
(1-METHYLPROPYL)BENZENE	0.11	135988

Table C-1 (continued)

Chemical Name	Weight Percent	CAS
5-METHYLUNDECANE	0.11	1632708
HEXYLCYCLOPENTANE	0.11	99057
5-ISOPROPYLNONANE	0.11	99056
2-ETHYL-1,3-DIMETHYLCYCLOHEXANE	0.11	99055
3,4-DIMETHYLOCTANE	0.11	15869928
3-ETHYLOCTANE	0.11	5881174
CIS-1,2-DIMETHYLCYCLOHEXANE	0.10	2207014
1,1-DIMETHYLCYCLOPENTANE	0.10	1638262
2,3,4-TRIMETHYLPENTANE	0.09	565753
2-METHYL-3-ETHYLPENTANE	0.09	609267
CIS,TRANS-1,2,3-TRIMETHYLCYCLOHEXANE	0.09	20348725
2,6-DIMETHYLUNDECANE	0.09	17301234
4-METHYLINDAN	0.09	824226
2,4-DIMETHYLPENTANE	0.08	108087
PROPYLCYCLOPENTANE	0.08	2040962
2,7-DIMETHYLOCTANE	0.08	1072168
1,1-DIMETHYL-2-PROPYLCYCLOHEXANE	0.08	99059
1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	0.08	99060
1,1-METHYLETHYLCYCLOPENTANE	0.07	16747505
1,1,2-TRIMETHYLCYCLOHEXANE	0.07	7094260
1-ETHYL-1,2-DIMETHYLCYCLOHEXANE	0.07	99061
TRANS-1,2-DIMETHYLCYCLOHEXANE	0.07	6876239
1,1,2,3-TETRAMETHYLCYCLOHEXANE	0.06	99062
3,3,5-TRIMETHYLHEPTANE	0.06	7154805
2,4-DIMETHYLNONANE	0.06	17302248
CIS-DECALIN	0.06	493016
1-ETHYL-2,4-DIMETHYLCYCLOHEXANE	0.06	99063
1-METHYL-4-ISOBUTYLBENZENE	0.06	99064
N-TRIDECANE	0.05	629505
3-ETHYLDECANE	0.05	17085960
CIS-1-ETHYL-2-METHYLCYCLOHEXANE	0.05	4923777
CIS-1-ETHYL-4-METHYLCYCLOHEXANE	0.05	3728561
CIS-BICYCLO[3.3.0]OCTANE	0.05	694724
4,5-DIMETHYLDECANE	0.05	99066
1,3-DIMETHYL-4-ISOPROPYLBENZENE	0.05	99065
1-METHYL-4-ISOPROPYLBENZENE	0.05	99876
N-PROPYLBENZENE	0.05	103651
2-METHYLNAPHTHALENE	0.04	91576
2,2,3,3-TETRAMETHYLPENTANE	0.04	7154792
CIS-1-ETHYL-2-METHYLCYCLOPENTANE	0.04	930892
OTHER C13	0.04	99037
2,5-DIMETHYLHEXANE	0.03	592132
1-METHYL-3-BUTYLBENZENE	0.03	99084
2,2-DIMETHYLHEPTANE	0.03	1071267
METHYL ISOBUTYL KETONE	0.03	108101
2,7-DIMETHYLDECANE	0.03	99067

Table C-1 (continued)

Chemical Name	Weight Percent	CAS
3,5-DIMETHYLNONANE	0.03	99068
2,3-DIMETHYLHEPTANE	0.03	3074713
OTHER C8	0.03	99031
N-BUTYL ALCOHOL	0.02	71363
3-ETHYL-4-METHYLHEPTANE	0.02	52896910
2,3,5-TRIMETHYLHEPTANE	0.02	20278857
1,1,3,5-TETRAMETHYLCYCLOHEXANE	0.02	4306654
HEXYLCYCLOHEXANE	0.02	4292755
TRANS-1-ETHYL-3-METHYLCYCLOPENTANE	0.02	99085
CIS-1-ETHYL-3-METHYLCYCLOPENTANE	0.02	99071
1,2,3-TRIMETHYL-4-ETHYLBENZENE	0.02	99070
OTHER C14	0.02	99038
STYRENE	0.02	100425
2,5-DIMETHYLOCTANE	0.02	15869893
METHYLCYCLOPENTANE	0.01	96377
2,4-DIMETHYLOCTANE	0.01	4032944
METHYL ETHYL KETONE (MEK) (2-BUTANONE)	0.01	78933
1-METHYL-4-ISOPROPYLCYCLOHEXANE	0.01	99821
METHYL PENTYLCYCLOHEXANE	0.01	99072

Table C-2. New SPECIATE Profile #4439 For Xylene Mixtures

Chemical Name	Weight Percent	CAS
M-XYLENE	44.63	108383
O-XYLENE	19.82	95476
P-XYLENE	19.35	106423
ETHYL BENZENE	15.45	100414
TOLUENE	0.21	108883
1-ETHYL-3-METHYL BENZENE	0.15	620144
PROPYL BENZENE	0.15	98828
ISOPROPYL BENZENE	0.08	103651
1,2,4-TRIMETHYL BENZENE	0.06	95636
1-ETHYL-4-METHYL BENZENE	0.05	622968
1,3,5-TRIMETHYL BENZENE	0.03	108678
1-ETHYL-2-METHYL BENZENE	0.02	611143

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APPENDIX D. PROCEDURES FOR PREPARING COMPOSITE SPECIATION PROFILES USING ENVIRONMENT CANADA'S NATIONAL POLLUTANT RELEASE INVENTORY (NPRI) FOR STATIONARY SOURCES

Background

Environment Canada has prepared the NPRI to track Criteria Air Contaminants (CACs) and toxic substances in Canada (Environment Canada, 2002). It is the only nationwide, publicly accessible program of its type in Canada that provides information on annual releases of pollutants to the air, water, land, and disposal or recycling from all sectors (i.e., industrial, government, commercial and others). All non-confidential information collected through the NPRI is available to the public on Environment Canada's Web site (www.ec.gc.ca/pdb/npri) in the form of downloadable databases, reports and analyses, and through a query site that allows the user to view information submitted by an individual facility. For the 2002 reporting year, there were 273 substances listed in the NPRI; 58 have been declared toxic under the *Canadian Environmental Protection Act, 1999*. The NPRI user guide explains the reporting thresholds for various substances and sources (Environment Canada, 2002).

NPRI Database Structure

The NPRI database contains 22 tables that are structured in MS Access relational database format. The database provides detailed stationary source facility-level emissions by pollutant along with facility contact information, addresses, and North American Industry Classification System (NAICS) code and/or Canadian or American Standard Industrial Classification code. Over 8,000 facilities reported emissions to the NPRI database in 2004. Most facilities filed emissions for CACs and toxic substances. A few facilities did not include CAC emissions.

Relationship of NPRI to SPECIATE Database

SPECIATE is the U.S. Environmental Protection Agency's (EPA) repository of total organic compound (TOC) and particulate matter (PM) speciation profiles of air pollution sources. The SPECIATE 4.0 and 4.1 databases each contains 9 tables that are structured in MS Access relational database format. The majority of the profiles in SPECIATE are based on data obtained through emission source tests on specific emission units or processes. The database provides fields for recording source testing and analytical methods used to measure emissions for individual chemical species included in TOC or PM emissions (EPA, 2006).

EPA recently added composite PM profiles developed from two or more individual source profiles to support PM modeling applications. Users may employ the composite profiles to avoid manual comparison of several relevant, but diverse, profiles, using the composites as an indication of central tendency for the source category. Users may equally prefer their own analysis of the constituent profiles, determining the best fit for their needs, thereby obviating the

need for the composites. The EPA also recently added PM-simplified profiles based on full PM profiles collapsed to the following five species: Elemental Carbon, Organic Carbon, Sulfate, Nitrate, and PMOther (remaining mass fraction representing all other species). The weight percent values for the five species sum to 100 percent. PM-simplified profiles are employed in air quality models (e.g., CMAQ) that use the simplified, five-species approach (EPA, 2006).

Table D-1 shows the fields in the NPRI database that can be matched to fields in SPECIATE 4.1 database. The "Notes" column in this table provides information about how NPRI data was converted to SPECIATE 4.1 database format.

The main difference between the SPECIATE 4.1 database and the NPRI is that the NPRI data are not provided at the emissions process or unit level, but are aggregated to the facility level to avoid the disclosure of confidential information. Consequently, many of the data fields in the two databases cannot be matched directly. Thus, the methods discussed in the following sections of this memorandum reflect an approach to develop composited profiles at the facility level using NPRI data.

Methods of Emissions Estimation

Emissions data reported by facilities to the NPRI are generated using a variety of methods such as current or previous source testing, emission factors from published references (e.g., AP-42, Factor Information REtrieval (FIRE) System), data from Material Safety Data Sheet (for compositions), continuous emission monitoring system data, predictive emission monitoring, mass balances, engineering estimates, emission models, and speciated using profiles from SPECIATE. Since the emissions reported in the NPRI are aggregated to the facility level, information on emission estimation methods is limited for facilities that have different types of emission sources.

Proposed Procedures for Processing NPRI data to Develop Gas Profiles for the SPECIATE Database

The following methods reflect discussions between Environment Canada, the SPECIATE workgroup, and Pechan including the discussion that Pechan and Environment Canada had on September 19, 2006 (Environment Canada, 2006). The following methods are focused on processing NPRI data to develop VOC profiles only. Environment Canada has indicated that the PM data in NPRI include a few mandated species only and is most likely all filterable as such the PM data do not meet the criteria set in the Protocol for Expansion of SPECIATE Database (Appendix B).

In addition, Environment Canada recommended that profile development be completed for individual facilities within priority industries. After reviewing the profiles developed for individual facilities, Environment Canada and/or the SPECIATE workgroup decided that it was useful to develop composite profiles for specific industry sectors. Table D-2 lists the industries that Environment Canada identified as priority for profile development. The VOC emissions and the number of facilities for each industry were extracted from the NPRI and, in Table D-2, are sorted in descending order based on total VOC emissions for each industry. The industries with the highest VOC emissions were given priority for profile development.

Table D-1. Matching of Fields between the SPECIATE 4.1 Database and NPRI Database

SPECIATE						NPRI				Notes
Table Name	Field	Type	Length	Decimals	Description	Table Name	Field	Type	Length	
PM_PROFILE	P_NUMBER	C	10		PM Profile Number (Primary Key)					
	NAME	C	255		PM Profile Name	Facility	NAICS_6	C	50	
	QUALITY	C	3		Quality rating (A-E) of the profile (related to the products of the V and D ratings).					Not applicable. It's the product of V rating and D rating
	CONTROLS	C	100		Emission Controls Description					Not available in the NPRI database
	P_DATE	D			Date profile added					
	NOTES	M			Notes	SubsRele	NPRI_ID	C	10	
	TOTAL	N	6	2	Sum of species percentages for a given profile, excluding organic species, inorganic gases, and elemental sulfur in individual PM profiles.					
	MASTER_POL	C	5		Indicates the pollutant to be used in calculation. Allowed value: 'PM' In the future, other values may be allowed (e.g., PM_PRI, PM_FIL, PM_CON)					
	T_METHOD	M			Description of sampling method					Not available in NPRI
	NORM_BASIS	C	25		Description of how profile was normalized	SubsRele	Total_Rele	N	18	Used total particulate matter (PM) emission rate
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'					
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.					
	ORGANICS	L	1		Indicates whether or not the profile provides speciated organics in PM					
	INCL_GAS	L	1		Indicates whether or not the profile includes inorganic gas species (e.g., sulfur dioxide, hydrogen sulfide, oxides of nitrogen, etc.)					
	TEST_YEAR	N	4	0	Indicates year testing was conducted					
	J_RATING	N	4	2	Objective expert judgment rating based on general merit. J-rating (expert judgment) is given a “1” (poor) to “5” (excellent) rating. This value is based on the information underlying each profile including, but not limited to: profile composition, relative ratios of species within the profile, sum of the speciated mass fractions, and supporting documentation.					This qualitative rating was assigned 1 (poor) unless information was available to assign an higher rating

Table D-1 (continued)

SPECIATE						NPRI				
Table Name	**Field**	**Type**	**Length**	**Decimals**	**Description**	**Table Name**	**Field**	**Type**	**Length**	**Notes**
PM_PROFILE	V_RATING	N	4	2	Vintage based on TEST_YEAR field. V-rating (profile vintage) is based on the vintage of the profile which reflects measurement technology and methodology. For profiles before Year 1980 – score = 1, 1980-1990 score = 2, 1991-1995 score = 3, 1996-2000 score = 4 and after Year 2000 score = 5.					
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness. D-rating (number of samples) is given a "1" (poor) to "4" (excellent) rating. This category is rated based on the number of samples: # of samples > 10 score = 4; 5-9 samples score = 3; 3-4 and composite samples score = 2; 1-2 or unknown # of samples score = 1. These data are housed in the D_RATING field in the PM and gas profile tables.					This qualitative rating was assigned 1 (poor) unless information was available to assign an higher rating
	REGION	C	50		Geographic region of applicability	Address	PROV_STATE	C	50	
	LOWER_SIZE	N	5	2	Identifies lower end of aerodynamic diameter particle size, micrometers					Used "0"
	UPPER_SIZE	N	5	2	Identifies upper end of aerodynamic diameter particle size, micrometers					Used "30", because it's total particulate matter
	SIBLING	C	10		GAS Profile number; samples taken from the same source and study, if available.					
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?					Used "No"
	SIMPLIFIED	L	1		Is the profile a PM Simplified Profile?					Used "No"
PM_SPECIE	ID	N	9	0	Unique Identifier (Primary Key)					Assigned the next available record ID
	SPECIE_ID	N	9	0	Specie Identifier (The same as ID in SPECIE_PROPERTIES)					Match species ID according to the CAS in the SubsRele table
	P_NUMBER	C	10		PM Profile number (Link to PM_Profile Table)					
	WEIGHT_PER	N	7	3	Weight percent of pollutant (%)					Calculated by dividing species emission rates by total PM in the SubsRele table
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant					
	UNC_METHOD	C	25		Description of method used to calculate uncertainty					

Table D-1 (continued)

SPECIATE						NPRI				
Table Name	Field	Type	Length	Decimals	Description	Table Name	Field	Type	Length	Notes
	ANLYMETHOD	C	50		Description of Analytical method (e.g., X-ray fluorescence spectroscopy, ion chromatography, etc.)					
REFERENCE	ID	N	9	0	Unique Identifier (Primary Key)					Assigned the next available record ID
	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)					Assigned accordingly
	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)					
	DATA_ORIGN	C	50		Source of data (e.g., EPA APPCD, Schauer, CARB, DRI, Literature, etc.)					Used "NPRI, Environment Canada"
	PRIMARY	L			Designates a reference as primary. When a profile is based on multiple references, this field allows one reference to be tagged as the primary reference.					
	DESCRIPTIO	M			Stores the descriptive information about the profile.	Facility	NAICS_6	C	50	Used NAICS codes in the Facility table and link to business types provided in NAI6Code
	DOCUMENT	Object			Complete reference citation.					Cited NPRI
GAS_PROFILE	P_NUMBER	C	10		GAS Profile Number (Primary Key)			C	10	
	NAME	C	255		GAS Profile Name	Facility	NAICS_6	C	50	Linked NAICS codes in the Facility table and use business types provided in NAI6Code
	QUALITY	C	3		Quality rating (A-E) of the profile (related to the products of the V and D ratings).			C	3	Not applicable. It's the product of V rating and D rating
	CONTROLS	C	100		Emission Controls Description					
	P_DATE	D			Date profile added					
	NOTES	M			Notes	SubsRele	NPRI_ID	C	10	Used NPRI ID to indicate the original data source.
	TOTAL	N	6	2	Sum of organic species percentages for a given profile					
	MASTER_POL	C	4		Indicates the pollutant to be used in calculation. Allowed values: 'VOC', 'TOG'. When methane was not measured in a study, ethane, acetone and other non-VOCs are removed from the profile and it is defined as a VOC profile.					
	T_METHOD	M			Description of sampling method					

Table D-1 (continued)

SPECIATE						NPRI				
Table Name	**Field**	**Type**	**Length**	**Decimals**	**Description**	**Table Name**	**Field**	**Type**	**Length**	**Notes**
	NORM_BASIS	C	25		Description of how profile was normalized	SubsRele	Total_Rele	N	18	Used the sum of VOC and methanol emission rates.
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'					Original
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.					Standard
	TEST_YEAR	N	4		Indicates year testing was conducted					
	J_RATING	N	4	2	Objective expert judgment rating based on general merit. J-rating (expert judgment) is given a “1” (poor) to “5” (excellent) rating. This value is based on the information underlying each profile including, but not limited to: profile composition, relative ratios of species within the profile, sum of the speciated mass fractions, and supporting documentation.					This qualitative rating was assigned 1 (poor) unless information was available to assign an higher rating
	V_RATING	N	4	2	Vintage based on TEST_YEAR field. V-rating (profile vintage) is based on the vintage of the profile which reflects measurement technology and methodology. For profiles before Year 1980 – score = 1, 1980-1990 score = 2, 1991-1995 score = 3, 1996-2000 score = 4 and after Year 2000 score = 5.					
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness. D-rating (number of samples) is given a “1” (poor) to “4” (excellent) rating. This category is rated based on the number of samples: # of samples > 10 score = 4; 5-9 samples score = 3; 3-4 and composite samples score = 2; 1-2 or unknown # of samples score = 1. These data are housed in the D_RATING field in the PM and gas profile tables.					This qualitative rating was assigned 1 (poor) unless information was available to assign an higher rating
	REGION	C	50		Geographic region of testing	Address	PROV_STATE	C	50	
	SIBLING	C	10		PM Profile number; samples taken from the same source and study, if available.					
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?					No

Table D-1 (continued)

SPECIATE						NPRI				
Table Name	**Field**	**Type**	**Length**	**Decimals**	**Description**	**Table Name**	**Field**	**Type**	**Length**	**Notes**
	VOCTOTOG	N	7	3	VOC to TOG conversion factor					Not available in NPRI, calculated
GAS_SPECIE	ID	N	9	0	Unique Identifier (Primary Key)					Assign the next available record ID
	SPECIE_ID	N	9	0	Species Identifier (Must be the same as ID in SPECIE_PROPERTIES)					Match species ID according to the CAS in the SubsRele table
	P_NUMBER	C	10		GAS Profile Number (Link to GAS_PROFILE table)					
	WEIGHT_PER	N	6	2	Weight percent of pollutant (%)					Calculated
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant					Not available
	UNC_METHOD	C	25		Description of method used to calculate uncertainty					Not available
	ANLYMETHOD	C	50		Description of Analytical method (e.g., GC/FID, GC/MS, HPLC/UV, etc.)					Not available
SPECIE_PROPERTIES	ID	N	9	0	Unique Identifier (Primary Key) (Link to PM_SPECIES and GAS_SPECIES tables)					The CAS numbers in NPRI SubsRele table was mapped to those in SPECIATE SPECIE_PROPERTIES table to identify species ID used in SPECIATE. If a species was not already in SPECIE_PROPERTIES table in SPECIATE, a new record was generated using the next available ID number .
	CAS	C	50		Chemical Abstract Service number assigned to pollutant (with hyphens) (blank if no CAS)					Once the species ID was identified, the CAS was pulled out from the SPECIE_PROPERTIES table in SPECIATE. See note above.
	EPA_ID	C	50		EPA Chemical Identifier; to be provided by EPA Substance Registry System for species without CAS numbers.					Automatically assigned based on CAS number
	SAROAD	C	5		Storage and Retrieval of Aerometric Data (SAROAD) code.					Automatically assigned based on CAS number
	PAMS	L	1		Is PAMS pollutant? (Yes or No)					Automatically assigned based on CAS number
	HAPS	L	1		Is Hazardous Air Pollutant? (Yes or No)					Automatically assigned based on CAS number
	NAME	C	255		Pollutant name					Automatically assigned based on CAS number
	SYMBOL	C	9		Standard chemical abbreviation (provided by Eric Fujita, DRI)					Automatically assigned based on CAS number

Table D-1 (continued)

SPECIATE						NPRI				
Table Name	**Field**	**Type**	**Length**	**Decimals**	**Description**	**Table Name**	**Field**	**Type**	**Length**	**Notes**
	SPEC_MW	N	6	2	Species molecular weight					Automatically assigned based on CAS number
	NONVOCTOG	L	1		Is the species a non-volatile organic gas?					Automatically assigned based on CAS number
	EPAITN	C	9		EPA Internal Tracking Number					Automatically assigned based on CAS number
	SPECIATETEMP	C	25		SPECIATE Temporary ID					Automatically assigned based on CAS number
KEYWORD	ID	N	9	0	Unique Identifier (Primary Key)					Generated next available number
	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P, G					Added accordingly
	P_NUMBER	C	10		Profile Number (Link to PM_PROFILE and GAS_PROFILE Tables)					
	KEYWORD	C	255		Keyword describing profile					
MNEMONIC	ID	N	9	0	Unique Identifier (Primary Key)					Not applicable
	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)					Not applicable
	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)					Not applicable
	DRI_PNUMBR	C	6		DRI profile number (Original DRI profile numbers)					Not applicable
	MNEMONIC	C	60		Alphanumeric Code unique to each profile. Used in CMB input files.					Not applicable

Table D-2. List of High Priority Industries for Profile Development

NAICS Code	NAICS Description	VOC Air Emissions (Tonnes/Year)	Number of Facilities
211114	Non-Conventional Oil Extraction	45,123	24
211113	Conventional Oil & Gas Extraction	21,954	332
321111	Sawmills (except Shingle & Shake Mills)	16,924	123
324110	Petroleum Refineries	15,620	21
323119	Other Printing	11,826	74
322112	Chemical Pulp Mills	11,355	33
412110	Petroleum Product Whl.	11,326	76
336110	Automobile & Light-Duty Motor Vehicle Mfg.	10,740	11
312140	Distilleries	9,146	7
321217	Waferboard Mills	5,406	19
325510	Paint & Coating Mfg.	5,136	41
325110	Petrochemical Mfg.	4,528	15
326111	Plastics Bag Manufacturing	4,518	14
322122	Newsprint Mills	4,512	24
321216	Particle Board & Fibreboard Mills	3,661	17
493190	Other Warehousing & Storage	3,608	4
311814	Commercial Bakeries & Frozen Product Mfg.	3,284	50
213118	Services to Oil & Gas Extraction	3,092	25
486110	Pipeline Transportation of Crude Oil	2,349	26
311224	Oilseed Processing	2,094	8
221112	Fossil-Fuel Electric Power Generation	1,490	33
325313	Chemical Fertilizer (except Potash) Mfg.	792	6
115310	Support Activities for Forestry	428	4
113210	Forest Nurseries & Gathering Forest Products	407	2
221119	Other Electric Power Generation	293	11
221210	Natural Gas Distribution	280	6
113311	Logging (exc. Contract)	109	2
486210	Pipeline Transportation of Natural Gas	104	7
111120	Oilseed (exc. Soybean) Farming	77	1
486990	All Other Pipeline Transportation	22	1
212114	Bituminous Coal Mining	1	1
493130	Farm Product Warehousing & Storage	0	1
311614	Rendering & Meat Processing from Carcasses	0	1
111940	Hay Farming	0	1
484110	General Freight Trucking, Local	0	1

The following four steps were followed for preparing NPRI data to develop VOC profiles for SPECIATE 4.1 database:

Step 1: Data Analysis and Preparation

The first step involves identifying and removing non-VOC species from the data reported for each facility. Examples of non-VOC species to be removed include, but are not limited to, dichloromethane, CFC-12, SO_2, CO, and NH_3 as well as semi-volatile organic compounds (SVOC), ions, metals, and other PM substances.

Note that the NPRI database contains facilities for which the sum of the mass of the individual species emissions exceeded the total VOC mass reported by the facilities. This can occur when oxygenated species are not fully quantified by the instrument generally used for VOC measurement [i.e., flame ionization detector (FID)]. Common oxygenated compounds in speciation profiles are methanol, ethanol, methyl t-butyl ether, and t-amylmethyl ether. In cases where oxygenated species are present in a significant amount, the measured/estimated VOC emissions can be less than the sum of the speciated emissions. Because the underlying methods used to generate the emissions data reported to the NPRI are not readily available, Pechan could not determine the mass of oxygenated species accounted for in the VOC emissions for each facility. Steps 2 and 3 of the methodology are designed to address this concern, in part, even though information on the test methods is not readily available.

In addition, since the NPRI is a facility-level database, emission rates for the same species could be an aggregate of emissions rates for several types of emission sources (processes) within each facility (e.g., combustion using different fuels, evaporative emissions from volatile solvents).

Step 2: Screening Criteria

A screening step was implemented to focus profile development on facilities with the best data. The industries with the highest VOC emissions were given priority for profile development. The screening step for pulp and paper facilities is discussed separately from other industries because of differences in how pulp and paper facilities report total VOC emissions.

<u>All Industries Except for Pulp and Paper</u>

Emphasis was placed on developing a VOC profile for each facility for which the proportion of the sum of the mass of the species was 25 percent or more of the total VOC mass reported by the facility. If the sum of the mass of the species was less than 25 percent of the total VOC mass, Environment Canada then decided if profile development for these facilities was warranted.

<u>Pulp and Paper</u>

Environment Canada noted that this is the industry where methanol accounts for a significant portion of the total VOC. Since methanol is not fully quantified by the instrument generally used for VOC measurement (i.e., FID), facilities report the total carbon content of VOC (which includes the carbon associated with methanol) rather than the VOC mass. However, for species,

total mass emissions are reported. For this industry, Environment Canada recommended that profiles be developed for facilities where the proportion of the sum of the carbon in the species is 75 percent or more of the total carbon reported as VOC.

Step 3: Normalization Basis for Developing Profiles

All Industries Except for Pulp and Paper

For all facilities (except for pulp and paper facilities), speciation profiles were developed by dividing the mass of each individual species by the mass of total VOC reported by a facility.

Pulp and Paper

For pulp and paper facilities, speciation profiles were developed by dividing the mass of each individual species by the sum of the mass of all speciated compounds (i.e., the total VOC carbon reported was not used as the normalization basis).

Step 4: Coding of Profiles in the SPECIATE 4.1 Database

Province information (e.g., ON, BC) is used for the "Region" field in the SPECIATE 4.1 database to provide geographic location. NPRI Facility ID and NAICS codes will be included in the "Notes" field to indicate data origins. The profile name is based on the NAICS code description for a facility.

References

Environment Canada, 2002, *Guide for Reporting to the National Pollutant Release Inventory*, downloaded from http://www.ec.gc.ca/pdb/npri/2002guidance/guide2002/Guide_2002_English.pdf.

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EPA, 2006: SPECIATE 4.0, Speciation Database Development Documentation, Revised Draft Report, Prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by E.H. Pechan & Associates, Inc. Durham, North Carolina. EPA Contract Nos. EP-D-06-001, WA 0-03 and 68-D-02-063, WA 4-04. June 2, 2006.

Schauer et al, 1999, Schauer, J.J., M.J. Kleeman, G.R. Cass, and B.R.T. Simoneit, *Measurement of Emissions from Air Pollution Sources. 2. C1 through C30 Organic Compounds from Medium Duty Diesel Trucks*, Environment Science and Technology, 1999, Vol. 33, No. 10, 1999, pp. 1578-1587.

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APPENDIX E. SEMI-VOLATILE ORGANIC COMPOUND PARTITIONING FACTORS AND METHODOLOGY APPLIED TO PREPARE MOBILE SOURCE EXHAUST PROFILES IN THE SPECIATE DATABASE

MEMORANDUM

Date: September 3rd, 2007

To: Lee Beck, U.S. Environmental Protection Agency, Office of Research and Development

From: Ying Hsu, Ph.D. and Frank Divita Jr., Ph.D., E.H. Pechan & Associates, Inc.

Subject: Semi-volatile Organic Compound Partitioning Factors and Methodology Applied to Prepare Mobile Source Exhaust Profiles in the SPECIATE Database

Introduction

This memorandum describes a method to allocate speciated semi-volatile organic compounds (SVOC) into estimates of particulate matter (PM) and organic gas phases. This procedure is required in order to convert SVOC emissions provided in speciation data into weight percent profiles.

Mobile source emission measurement studies frequently collect and analyze SVOC species in one sample. However, there is a need to separate their relative emissions because the current SPECIATE database defines speciation profiles as either PM or organic gas weight percent source profiles. The purpose of the memorandum is to propose a method to distribute measured SVOC species emission rates into PM and gas phases so that they can be normalized by particle and volatile organic compound[1] (VOC) emission rates and used in SPECIATE.

Methodology

To the best of Pechan's knowledge, after thorough literature review, there is only one motor vehicle study (Schauer et al., 1999) that comprehensively speciated diesel exhaust in PM and organic gas phases separately. Pechan proposes to apply the partitioning factors presented in the Schauer study to split SVOC species into PM and gas phases. For example, based on the Schauer's study (see Table 1), naphthalene (CAS # 91-20-3) is 100 percent gas phase under ambient condition, hexadecylcyclohexane (CAS # 6812-38-0) is entirely in the PM phase, and phenanthrene (CAS # 85-01-8) partitions 34 percent and 66 percent in PM and gas phase, respectively. For motor vehicle exhaust speciation data that measured SVOC that combined both

[1]The normalization basis can also be total organic gas (TOG) or non-methane organic gas (NMOG).

PM and organic gas phases, Pechan will apply the partitioning factors in Table E-1 to allocate SVOC mass into in PM and gas phases.

For example, when a study presents 0.67 mg/mile of naphthalene emission in both PM and gas phases, this emission rate is assumed to be entirely in gas phase and divided by organic gas mass emission rate and included in the associated organic gas profile. For phenanthrene, assuming the total emission rate is 0.0172 mg/mile, 34 percent of it (0.0059 mg/mile) is allocated in PM phase and 66 percent (or 0.0113 mg/mile) is in organic gas phase. These emission rates are then normalized by the associated PM and organic gas mass emissions, respectively.

Pechan understands partitioning factors are not universal and vary by sampling conditions (e.g., temperature, pressure). However, there are no better known protocols to allocate speciated SVOC emissions into PM and gas phases, once they are measured together. And, including SVOC species entirely in either PM phase or organic gas phase does not appropriately characterize motor vehicle emissions. For example, according to Schauer, et al. (1999), naphthalene is mostly in gas phase under ambient condition but it was estimated relative to PM emissions in an official mobile source emissions module. This is considered not appropriate since naphthalene is mostly in gas phase and not relevant to PM emissions.

Note: For integrity of this memorandum, excerpts from the Schauer, et al. (1999) study are briefly presented below. For complete details of this study, please consult the original reference below.

Excerpt from Mid-duty Diesel Exhaust Speciation Study by Schauer, et al. (1999)

> Both gas- and particle-phase tailpipe emissions from medium duty diesel trucks were quantified using a two-stage dilution source sampling system. Tests were conducted in 1996 from in-use vehicle fleet in southern California and were fueled with commercially obtained California reformulated diesel fuel. The first vehicle tested was a 1995 model year Isuzu intercooled turbo diesel truck with a 3.8-L, four-cylinder engine. The second vehicle was a GMC Vandura 3500 full-sized commercial van with a 6.5-L, eight-cylinder diesel engine. The Isuzu truck and the GMC van had accumulated 39,993 miles and 30,560 miles of driving, respectively, prior to being tested.
>
> Due to vehicle testing facility operating procedures, the diesel trucks could not be moved onto the dynamometer directly from cold storage. The truck had to be driven onto the dynamometer, which entailed first starting the engine, so the diesel trucks had to be tested with a hot-start Federal Test Procedure (FTP) cycle. Prior to the start of each source test, the truck tested was warmed on the dynamometer for approximately 10 minutes. The engine was then shut off, and the truck tailpipe was connected to the source sampler. The flows through the source samplers were established, and the truck was started and driven over the first two segments of the FTP dynamometer cycle.

The diesel trucks were driven through the hot-start FTP urban driving cycle on a transient chassis dynamometer. Emission rates of 52 gas-phase volatile hydrocarbons, 67 semivolatile and 28 particle-phase organic compounds, and 26 carbonyls were quantified along with fine particle mass and chemical composition. When all C1-C13 carbonyls were combined, they accounted for 60 percent of the gas phase organic compound mass emissions. Fine particulate matter emission rates and chemical composition were quantified simultaneously by two methods: a denuder/filter/PUF sampler and a traditional filter sampler. Both sampling techniques yielded the same elemental carbon emission rate of 56 mg/km driven, but the particulate organic carbon emission rate determined by the denuder-based sampling technique was found to be 35 percent lower than the organic carbon mass collected by the traditional filter-based sampling technique due to a positive vapor-phase sorption artifact that affected the traditional filter sampling technique. The distribution of organic compounds in the diesel fuel used in this study was compared to the distribution of these compounds in the vehicle exhaust. Significant enrichment in the ratio of unsubstituted polycyclic aromatic hydrocarbons (PAH) to their methyl- and dimethyl-substituted homologues was observed in the tailpipe emissions relative to the fuel. Isoprenoids and tricyclic terpanes were quantified in the semivolatile organics emitted from diesel vehicles. When used in conjunction with data on the hopanes, steranes, and elemental carbon emitted, the isoprenoids and the tricyclic terpanes may help trace the presence of diesel exhaust in atmospheric samples.

Reference

Schauer, et al., 1999: Schauer, J.J., M.J. Kleeman, G.R. Cass, and B.R.T. Simoneit, “Measurement of Emissions from Air Pollution Sources, 2. C1-C30 Organic Compounds from Medium Duty Diesel Trucks,” Environmental Science and Technology, vol. 33, no. 10, pp. 1578-1587, 1999.

Table E-1. Average Emission Rates (µg/km) and Distribution of Organic Species in Medium Duty Diesel Trucks Exhaust

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
1623	174.19	Octanedioic acid	505-48-6		138	0	1
936	188.22	Azelaic acid-TMS	123-99-9		176	0	1
1720	228.29	C1-MW 228 PAH				0	1
1620	270.45	Heptadecanoic acid	506-12-7			0	1
966	284.48	Stearic acid-TMS	57-11-4		362	0	1
959	298.50	Nonadecanoic acid-TMS	646-30-0	6.54	5.7	0	1
1730	308.59	Hexadecylcyclohexane	6812-38-0	22.3		0	1
1596	310.60	N-docosane	629-97-0			0	1
944	312.53	Eicosanoic acid-TMS	506-30-9			0	1
1731	322.62	Heptadecylcyclohexane	19781-73-8	12.9		0	1
1597	324.63	n-Tricosane	638-67-5	52.0		0	1
1732	336.64	octadecylcyclohexane	4445-06-1	14.2		0	1
1598	338.65	n-Tetracosane	646-31-1	16.7		0	1
1733	350.66	Nonadecylcyclohexane	22349-03-7	45.5	9.0	0	1
1599	352.68	n-Pentacosane	629-99-2	11.5		0	1
1600	366.71	N-hexacosane	630-01-3	40.7		0	1
1738	370.66	17 α(H)-22, 29, 30-trisnorhopane	53584-59-1			0	1
1846	370.66	18 α(H)-22, 29, 30- trisnorneohopane	55199-72-9	26.1		0	1
1736	372.68	20S-13β(H),17 α(H)-diacholestane	56975-84-9	34.9		0	1
1601	380.73	N-heptacosane	593-49-7	0.99		0	1
1602	394.76	n-octacosane	630-02-4	2.74		0	1
1725	398.72	17α(H), 21β(H),29-norhopane	53584-60-4	1.37		0	1
1603	408.79	n-Nonacosane	630-03-5	25.7	6.1	0	1
1726	412.74	17α(H), 21β(H)-hopane	13849-96-2	19.7		0	1
1744		20R&S-5 α(H), 14β(H), 17β(H)-ergostane		11.3		0	1
1745		20R&S-5 α(H), 14β(H), 17β(H)-sitostane				0	1
				11.4			
				3.15			
				2.61			

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
1743		20R-5α(H),14α(H),17α(H)-cholestane				0	1
1741		20R-5α(H),14β(H),17β(H)-cholestane				0	1
2336	228.29	Chrysene & Triphenylene	218-01-9; 217-59-4	3.35	15.6	0.177	0.823
1172	226.27	Benzo[ghi]fluoranthene	203-12-3	5.82	1.19 19.8	0.227	0.773
854	228.29	Benz(a)anthracene	56-55-3	2.98	0.78 7.76	0.277	0.723
1703	216.28	C1-MW 202 PAH		39.0	81.0	0.325	0.675
1173	228.29	Cyclopenta[cd]pyrene	27208-37-3	2.06	3.50	0.371	0.629
1702	202.25	Acephenanthrylene	201-06-9	12.0	16.2	0.426	0.574
1883	180.25	Methyl fluorene	26914-17-0	65.2	83.0	0.440	0.560
904	202.25	Pyrene	129-00-0	71.9	88.5	0.448	0.552
882	202.25	Fluoranthene	206-44-0	53.0	56.6	0.484	0.516
886	192.26	1-methylphenanthrene	832-69-9	17.0	17.8	0.489	0.511
1707	184.28	C4-naphthalenes		97.3	98.6	0.497	0.503
1701	220.31	C3-MW 178 PAH		97.4	97.5	0.500	0.500
1698	192.26	2-methylanthracene	613-12-7	10.4	10.4	0.500	0.500
1697	192.26	3-methylphenanthrene	832-71-3	30.3	29.4	0.508	0.492
1699	192.26	9-methylphenanthrene	883-20-5	22.9	22.0	0.510	0.490
852	178.23	Anthracene	120-12-7	12.5	10.9	0.534	0.466
889	192.26	2-methylphenanthrene	2531-84-2	42.0	35.6	0.541	0.459
1708	294.56	N-Pentadecylcyclohexane	6006-95-7	12.8	9.88	0.564	0.436
1595	296.57	N-heneicosane	629-94-7	65.8	40.5	0.619	0.381
1706	170.25	C3-naphthalenes		240	130	0.649	0.351
902	178.23	Phenanthrene	85-01-8	93.1	47.0	0.665	0.335
1042	282.55	Eicosane	112-95-8	206	95.7	0.683	0.317
1845	332.61	8β,13α-dimethyl-14β- [3'-methylbutyl]-podocarpane		13.8	4.50	0.754	0.246
1700	206.28	C2-MW 178 PAH		196	57.2	0.774	0.226
881	180.20	9-fluorenone	486-25-9	34.6	9.84	0.779	0.221
883	166.22	Fluorene	86-73-7	34.6	9.5	0.785	0.215

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
1718	266.51	tridecylcyclohexane	6006-33-3	16.5	4.34	0.792	0.208
1843	280.53	Tetradecylcyclohexane	1795-18-2	15.9	3.96	0.801	0.199
1709	137.19	8β,13α-dimethyl-14β-n-butylpodocarpane		44.0	10.6	0.806	0.194
873	168.19	Dibenzofuran	132-64-9	28.7	6.0	0.827	0.173
1729	136.15	Methylbenzoic acid	12167-74-7	772	26.7	0.967	0.033
1045	226.44	Hexadecane	544-76-3	711	8.62	0.988	0.012
1043	240.47	Heptadecane	629-78-7	614	5.92	0.990	0.010
1690	212.41	2,6,10-Trimethyldodecane (farnesane)	3891-98-3	434	4.1	0.991	0.009
1047	268.52	Nonadecane	629-92-5	411	3.82	0.991	0.009
1693	226.44	Norpristane	3892-00-0	566	4.9	0.991	0.009
1049	212.41	Pentadecane	629-62-9	398	2.12	0.995	0.005
1602	394.76	n-octacosane	630-02-4	601	2.84	0.995	0.005
1692	226.44	2,6,10-trimethyltridecane	3891-99-4	367	1.2	0.997	0.003
282	26.04	Acetylene	74-86-2	4600		1	0
452	28.05	Ethylene	74-85-1	8560		1	0
465	30.03	Formaldehyde	50-00-0	22300		1	0
678	42.08	Propylene	115-07-1	780		1	0
279	44.05	Acetaldehyde	75-07-0	41800		1	0
46	54.09	1,3-butadiene	106-99-0	310		1	0
283	56.06	Acrolein (2-propenal)	107-02-8	3400		1	0
367	56.11	Cis-2-butene	590-18-1	260		1	0
497	56.11	Isobutylene	115-11-7	1140		1	0
737	56.11	Trans-2-butene	624-64-6	520		1	0
839	58.04	Glyoxal	107-22-2	2100		1	0
673	58.08	Propionaldehyde	123-38-6	14000		1	0
592	58.12	N-butane	106-97-8	3830		1	0
391	68.12	Cyclopentene	142-29-0	210		1	0
382	70.09	Crotonaldehyde	4170-30-3	13400		1	0
188	70.09	2-methyl-2-propenal	78-85-3	4000		1	0

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
181	70.13	2-methyl-1-butene	563-46-2	260		1	0
230	70.13	3-methyl-1-butene	563-45-1	160		1	0
390	70.13	Cyclopentane	287-92-3	410		1	0
742	70.13	Trans-2-pentene	646-04-8	50		1	0
1464	72.06	Methylglyoxal	78-98-8	1700		1	0
313	72.11	Butyraldehyde (butanal)	123-72-8	1300		1	0
536	72.11	Methyl ethyl ketone (2-butanone)	78-93-3	7500		1	0
508	72.15	Isopentane	78-78-4	2740		1	0
605	72.15	N-pentane	109-66-0	1860		1	0
302	78.11	Benzene	71-43-2	2740		1	0
187	84.16	2-methyl-2-pentene	625-27-4	210		1	0
369	84.16	Cis-2-hexene	7688-21-3	100		1	0
385	84.16	Cyclohexane	110-82-7	210		1	0
551	84.16	Methylcyclopentane	96-37-7	620		1	0
740	84.16	Trans-2-hexene	4050-45-7	160		1	0
1463	86.09	Biacetyl	431-03-8	900		1	0
122	86.18	2,2-dimethylbutane	75-83-2	310		1	0
136	86.18	2,3-dimethylbutane	79-29-8	570		1	0
199	86.18	2-methylpentane	107-83-5	930		1	0
248	86.18	3-methylpentane	96-14-0	670		1	0
717	92.14	Toluene	108-88-3	3980		1	0
550	98.19	Methylcyclohexane	108-87-2	520		1	0
840	100.16	Hexaldehyde	66-25-1	2200		1	0
140	100.20	2,3-dimethylpentane	565-59-3	720		1	0
152	100.20	2,4-dimethylpentane	108-08-7	410		1	0
194	100.20	2-methylhexane	591-76-4	570		1	0
245	100.20	3-methylhexane	589-34-4	310		1	0
600	100.20	N-heptane	142-82-5	470		1	0
301	106.12	Benzaldehyde	100-52-7	3800		1	0

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
449	106.17	Ethylbenzene	100-41-4	470		1	0
522	106.17	M-xylene & p-xylene	108-38-3; 106-42-3	2330		1	0
620	106.17	O-xylene	95-47-6	830		1	0
1018	114.19	Heptanal	111-71-7	3200		1	0
118	114.23	2,2,4-trimethylpentane	540-84-1	1240		1	0
130	114.23	2,3,4-trimethylpentane	565-75-3	310		1	0
138	114.23	2,3-dimethylhexane	584-94-1	160		1	0
149	114.23	2,4-dimethylhexane	589-43-5	50		1	0
156	114.23	2,5-dimethylhexane	592-13-2	50		1	0
193	114.23	2-methylheptane	592-27-8	100		1	0
226	114.23	3-ethylhexane	619-99-8	210		1	0
604	114.23	N-octane	111-65-9	260		1	0
1013	118.13	2,3-benzofuran	271-89-6	53.2		1	0
976	120.15	Acetophenone	98-86-2	5100		1	0
30	120.19	1,2,4-trimethylbenzene (1,3,4-trimethylbenzene)	95-63-6	880		1	0
44	120.19	1,3,5-trimethylbenzene	108-67-8	260		1	0
89	120.19	1-Methyl-3-ethylbenzene	620-14-4	210		1	0
608	120.19	N-propylbenzene	103-65-1	100		1	0
94	120.19	1-Methyl-4-ethylbenzene	622-96-8	520		1	0
937	122.12	Benzoic acid-TMS	65-85-0	1260		1	0
611	128.17	Naphthalene	91-20-3	617		1	0
1065	128.21	Octanal	124-13-0	3100		1	0
603	128.26	N-nonane	111-84-2	160		1	0
1713	132.16	1-Indanone	83-33-0	69.5		1	0
1712	134.18	2,5-Dimethylbenzaldehyde	5779-94-2	4100		1	0
105	142.20	1-Methylnaphthalene	90-12-0	378		1	0
196	142.20	2-methylnaphthalene	91-57-6	611		1	0
1057	142.24	Nonanal	124-19-6	4400		1	0

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
1617	144.21	Octanoic acid	124-07-2	125		1	0
847	152.19	Acenaphthylene	208-96-8	70.1		1	0
846	154.21	Acenaphthene	83-32-9	19.3		1	0
657	154.29	Pentylcyclohexane	4292-92-6	83.9		1	0
1801	156.22	C2-Naphthalenes		542		1	0
997	156.27	Decanal	112-31-2	2800		1	0
1618	158.24	Nonanoic acid	112-05-0	240		1	0
480	168.32	Hexylcyclohexane	4292-75-5	14.9		1	0
1658	170.29	Undecanal	112-44-7	2600		1	0
599	170.33	N-dodecane	112-40-3	503		1	0
941	172.26	Decanoic acid-TMS	334-48-5	72.9		1	0
1840	182.35	Heptylcyclohexane	5617-41-4	20.0		1	0
1714	184.26	Dibenzothiophene	132-65-0	1.98		1	0
1659	184.32	Dodecanal	112-54-9	1200		1	0
609	184.36	N-tridecane	629-50-5	477		1	0
1619	186.29	Undecanoic acid	112-37-8	206		1	0
909	196.20	Xanthone	90-47-1	12.4		1	0
1841	196.37	Octylcyclohexane	1795-15-9	26.2		1	0
1660	198.34	Tridecanal	10486-19-8	2000		1	0
1051	198.39	Tetradecane	629-59-4	629		1	0
1691	198.39	Norfarnesane	6864-53-5	360		1	0
954	200.32	Lauric acid-TMS, or dodecanoic acid	143-07-7	58.5		1	0
1694	210.40	N-Nonylcyclohexane	2883-02-5	24.7		1	0
970	214.34	Tridecanoic acid-TMS	638-53-9	13.1		1	0
1695	224.43	Decylcyclohexane,	1795-16-0	38.2		1	0
958	228.37	Myristic acid-TMS, or n-Tetradecanoic Acid	544-63-8	5.3		1	0
1716	238.45	Undecylcyclohexane	54105-66-7	23.9		1	0
1717	252.48	Dodecylcyclohexane	1795-17-1	16.8		1	0
1704	268.53	Pristane	1921-70-6	443		1	0

Species ID	Molecular Weight	Chemical Name	CAS	Gas Phase (µg/km)	Particle Phase (µg/km)	Mass Fraction in Gas	Mass Fraction in PM
1705	282.55	Phytane	638-36-8	439		1	0
2337	332.50	2,2'-Dithiobisbenzothiazole	120-78-5	251		1	0